Wetlands & Waterways LLC

WDNR Professionally Assured Wetland Delineation Report

Lake Forest Condominiums

Town of Washington

Vilas County, Wisconsin

June 14, 2023

WDNR PROFESSIONALLY ASSURED
WETLAND DELINEATION REPORT

LAKE FOREST CONDOMINIUMS
TOWN OF WASHINGTON
VILAS COUNTY, WISCONSIN

June 14, 2023

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Introduction

Dalmark Development Group, LLC contracted Wetlands and Waterways, LLC to delineate wetlands for the Lake Forest Condominium project located on the north side of Rhinelander, Wisconsin. The Study Area is approximately 130 acres and is described as being located in in Part of the Southwest ¼ of the Southeast ¼ and Part of the Southeast ¼ of the Southwest ¼ of Section 24, Township 40 North, Range 10 East and Part of the Northwest ¼ of the Northwest ¼ and Part of the Northeast ¼ of the Northwest ¼ and Part of Government Lots 3 and 4 and Part of Government Lot 1 of Section 26, Township 40 North, Range 10 East, All in the Town of Washington, Vilas County, Wisconsin. See Figure 1A for the Study Area location and local topography.

The wetland delineation was conducted on May 19 and 22, 2023 by Ms. Ann Key, a Wisconsin Department of Natural Resources (WDNR) Professionally Assured Wetland Delineator. The intent of the delineation was to identify wetlands for purposes of permitting a proposed condominium development within the Study Area. The Study Area is comprised of primarily of existing golf course, undisturbed upland forest and undisturbed wooded, shrub and bog swamp. The maintained golf course areas were considered to have Significantly Disturbed vegetation for purposes of wetland delineation but no other recent disturbances were observed and the portions of the Study Area where wetlands were identified was considered to have normal circumstances.

The WWI map was reviewed and indicates the presence of one large (> 2 acres) wetland complex spanning the eastern portions of Study Area, as well as four small (< 2 acres) wetland symbols and one United States Department of Agriculture (USDA) wet spot. The WWI map identifies the larger wetland complex as being comprised of the following community types;

- Forested, Needle-Leaved, Wet Soil, Palustrine (T8K)
- Scrub-Shrub, Broad-Leaved Evergreen/Open Water, Subclass Unknown, Standing Water, Palustrine (S6/W0H)

The wetland indicator soils layer was reviewed and identifies wetland indicator soils within the same general areas of the Study Area as mapped wetland complex and extending beyond to the north and east of the mapped wetland complex. Indicator soils are soils which are commonly found in wetlands or have inclusions of soils that are commonly found in wetlands.

The WDNR Surface Water Data Viewer (SWDV) was also reviewed identifies Voyageur Lake immediately south of the Study Area as a Priority Navigable Waterway (PNW) Walleye and Musky Area.

Ten wetlands (Wetlands 1 through 10) were delineated during the site visits. The Wetland Data Sheets classify the wetlands according to the Cowarden *Classification of Wetlands and Deepwater Habitats of the United States* (U.S. Fish and Wildlife Service, 1979) classification system.

An antecedent precipitation evaluation was conducted for the three months prior the site visits using the U.S. Army Corps of Engineers (USACE) Antecedent Precipitation Tool (APT). The APT summarized data from local weather stations and determined climatic conditions were wetter than normal for the time of the site visit. The Palmer Drought Index also indicates climatic conditions were wetter than normal (Moderately Moist +2.00 to +2.99) at the time of the site visits. Based on evaluation of both sources of data it was determined climatic conditions were wetter than normal at the time of the site visits.

All wetland sample plots met wetland vegetation criteria with a dominance of hydrophytic species. Hydric soil criteria was met at all wetland sample plots with the following indicators observed and recorded where applicable; A1 (Histosol), A2 (Histic Epipedon), A10 (2 cm Muck), A11 (Depleted Below Dark Surface), S1 (Sandy Muck Mineral), F1 (Loamy Mucky Mineral) and F3 (Depleted Matrix).

All wetland sample plots displayed both primary and secondary hydrology indicators and the following hydrology indicators were recorded where applicable; A1 (Surface Water), A2 (High Water Table), A3 (Saturation), B7 (Inundation Visible on Aerial Imagery), B9 (Water-Stained Leaves), D2 (Geomorphic Position) and D5 (FAC-Neutral Test).

Wetland boundaries were identified using procedures outlined in the 1987 Corps of Engineering Wetland Delineation Manual and Northcentral/Northeast Regional Supplement. The areas identified as wetland were identified based on transitions from wetland to upland vegetation, hydrology indicators and hydric soil indicators, or lack thereof, in wetland areas versus upland areas, topographical position and best professional judgment.

Study Methods

Available topographic maps, survey maps, WWI maps, Vilas County Soil Survey maps, Hydric Soil maps and recent aerial photos were reviewed prior to visiting the Study Area to identify potential wetland areas. The United States Geological Survey (USGS) Topographical map is included as Figure 1A and the Vilas County 2-foot Contour map is included as Figure 1B. The WWI map with wetland and indicator soil layers is included as Figure 3. The Vilas County Soil Survey Map is included as Figure 4. The Hydric Soils map is included as Figure 5. In addition, antecedent precipitation information was evaluated through use of available USACE APT which determines climatic conditions for a specific location on a specific date based on automated evaluation of all available local WETS data to determine if conditions were within normal, wetter than normal or drier than normal at the time of the site visits. The APT report for this site is included in Appendix B.

Examination of vegetation, soils and hydrology, as outlined in the 1987 U.S. Army Corps of Engineers Wetlands Delineation Manual (Environmental Laboratory, 1987) and the Northcentral/Northeast Regional Supplement, were used to characterize and determine wetland boundaries. The Natural Resources Conservation Service (NRCS) Field Indicators of Hydric Soils in the United States Guide was also utilized to help identify hydric soils at the site. All available information including transitions in vegetation, soils and hydrology, review of recent aerial photos, antecedent precipitation analysis, topographic position, along with best professional judgment was applied. Wetland edges were flagged with pink "Wetland Delineation" and sample plot locations were located with a Trimble DA2 Global Positioning System (GPS) with sub-meter accuracy and are shown on Figure 2.

Sample transects were established in a representative wetland to upland transition zone. The transects were comprised of two sample points located along a line running perpendicular to the wetland edge, with one point in obvious wetland and one point in obvious upland. A field data form was completed for each of the upland and wetland sample points. The sample locations were also located with a sub-meter GPS and are indicated on Figure 2. Field data forms are included in Appendix A.

Wetland classification was performed according to Cowarden *Classification of Wetlands and Deepwater Habitats of the United States* (U.S. Fish and Wildlife Service, 1979) systems. Vegetation was identified using suitable keys (Eggers and Reed, 2014; Knopt, 1980; Courtenay/Zimmerman, 1972; Fassett, 1951; Chadde, 1998) and a plant's hydrophytic status was determined using the most recent Northcentral/Northeast Region – National Wetland Plant List (U.S. Army Corps of Engineers, 2016).

Results

OFF-SITE SURVEY

Prior to the site visits, all available maps including the USGS Topographical map, the Vilas County 2-Foot Contour map, WWI map, Vilas County Soil Survey, Hydric Soil maps and recent aerial photos were reviewed.

The USGS Topographical Map (Figure 1A) and the Vilas County 2-Foot Contour Map (Figure 1B) indicate the topography throughout the Study Area has gently rolling to steep topography with a high elevation of approximately 1,700 feet above mean sea level (msl) in the central high points of the Study Area dropping to a low elevation of approximately 1,625 feet above msl in the lower lying areas where the wetlands were generally found.

The WWI map (Figure 3) was reviewed and indicates the presence of one large (> 2 acres) wetland complex spanning the eastern portions of Study Area, as well as four small (< 2 acres) wetland symbols and one USDA wet spot. The WWI map identifies the larger wetland complex as being comprised of the following community types; T8K and S6/W0H.

The wetland indicator soils layer (Figure 3) was reviewed and identifies wetland indicator soils within the same general areas of the Study Area as mapped wetland complex and extending beyond to the north and east of the mapped wetland complex. Indicator soils are soils which are commonly found in wetlands or have inclusions of soils that are commonly found in wetlands.

The WDNR SWDV was also reviewed identifies Voyageur Lake immediately south of the Study Area as a PNW Walleye and Musky Area.

The Vilas County Soil Survey (Figure 4) and Hydric Soils Map (Figure 5) indicate that the following soil series are present throughout the Study Area:

Au – Au Gres Loamy Sand, 0 to 3% slopes (8.15 acres – 6.27% Area of Interest) – These soils consist of somewhat poorly drained loamy sand over sand and are formed on linear and concave footslopes of terraces, drainageways and flats with level to gently sloping terrain.

CrA – Croswell Sand, 0 to 4% slopes (1.12 acres – 0.86% of Area of Interest) – These soils consist of moderately well drained sand soils formed on linear rises and footslopes of stream terraces with level to gently sloping terrain.

CsA – Cublake Loamy Sand, 0 to 4% slopes (8.63 acres – 6.63% of Area of Interest) – These soils consist of moderately well drained loamy sand soils over sand and are formed on linear rises and footslopes of outwash terraces, outwash plains and lake plains with level to gently sloping terrain.

FeB – Fence-Alcona Complex, 0 to 6% slopes (2.20 acres – 1.69% of Area of Interest) – These soils consist of moderately the well drained Fence soils comprised of silt loam over stratified very fine sand to silt and the well drained Alcona soils comprised of fine sandy loam over loamy sand and sandy loam. These soils are formed on convex summits of moraines, outwash plains and lake plains with level to gently rolling terrain.

Ga – Gaastra Silt Loam, 0 to 2% slopes (8.90 acres – 6.84% of Area of Interest) – These soils consist of somewhat poorly drained silt loam soils formed on linear and concave footslopes of drainageways and depressions on outwash plains, moraines and lake plains with level to nearly level terrain.

KaC – Karlin Loamy Fine Sand, 6 to 15% slopes, Stony (6.21 acres – 4.78% of Area of Interest) – These soils consist of somewhat excessively drained loamy fine sand over loamy sand and sand. These soils are formed on convex shoulders and backslopes of outwash plains and moraines with gently rolling to moderately steep terrain.

KeC – Keweenaw-Sayner-Vilas Complex, 1 to 15% slopes, Stony (16.78 acres – 12.89% of Area of Interest) – These soils consist of the well drained Keweenaw soils comprised of loamy sand over gravelly loamy sand, the excessively drained Sayner soils comprised of loamy sand over sand over gravelly coarse sand and the Vilas soils comprised of loamy sand over sand. These soils are formed on convex sidelopes, backslopes and shoulderslopes of moraines with nearly level to moderately steep terrain.

Lo – Loxley and Dawson Peats, 0 to 1% slopes (4.30 acres – 3.31% of Area of Interest) – These soils consist of the very poorly drained Lawson soils comprised of peat over muck and the very poorly drained Dawson soils comprised of peat over muck over sand. These soils are formed on concave and linear depressions and drainageways on outwash plains, lake plains and moraines with level to nearly level terrain.

PaC – Croswell Sand, 6 to 15 % slopes (4.55 acres – 3.50% of Area of Interest) – These soils consist of moderately well drained loamy sand soils over sand formed on linear rises and footslopes of outwash terraces, outwash plains and lake plains with gently rolling to moderately steep terrain.

RoB – Rubicon Sand, 0 to 6% slopes, Stony (24.72 acres – 19.0% of Area of Interest) – These soils consist of excessively drained sand soils formed on convex summits and shoulders of ground moraines, beach ridges and outwash plains with level to gently rolling terrain.

SaB – Sayner-Rubicon, 0 to 6% slopes (5.03 acres – 3.90% of Area of Interest) – These soils consist of the excessively drained Sayner soils comprised of sand over loamy sand over gravelly sand and the excessively drained Rubicon soils comprised of loamy sand over gravelly sand. These soils are formed on convex treads and summits of stream terraces and outwash plains with level to gently rolling terrain.

SaC – Croswell Sand, 6 to 15% slopes (7.99 acres – 6.15% of Area of Interest) – These soils consist of the excessively drained Sayner soils comprised of sand over loamy sand over gravelly sand and the excessively drained Rubicon soils comprised of loamy sand over gravelly sand. These soils are formed on convex treads and summits of stream terraces and outwash plains with gently rolling to moderately steep terrain.

SaD – Sayner Loamy Sand, 15 to 35% slopes, Stony (31.17 acres – 23.96% of Area of Interest) – These soils consist of the excessively drained Sayner soils comprised of sand over loamy sand over gravelly sand and the excessively drained Rubicon soils comprised of loamy sand over gravelly sand. These soils are formed on convex treads and summits of stream terraces and outwash plains with moderately steep to very steep terrain.

Se – Seelyeville and Markey Mucks, 0 to 1% slopes (0.31 acres – 0.24% of Area of Interest) – These soils consist of very poorly drained muck soils formed on linear and concave toeslopes and footslopes of drainageways and depressions on outwash plains, lake plains and moraines with level to nearly level terrain.

The hydric soils reports for the study area, including minor components, are shown below;

Table 1 – Hydric Soil Rating

Hydric Rating by Map Unit (WI)–Vilas County, Wisconsin				
Map Unit Symbol	Map Unit Name	Hydric Percent of Map Unit	Hydric Category	Landform Hydric Minor Components
Au	Au Gres loamy sand, 0 to 3 percent slopes	5	WI Predominantly Nonhydric	Depressions
CrA	Croswell sand, 0 to 4 percent slopes	0	WI Nonhydric	—
CsA	Cublake loamy sand, 0 to 4 percent slopes	0	WI Nonhydric	—
FeB	Fence-Alcona complex, 0 to 6 percent slopes	0	WI Nonhydric	—
Ga	Gaastra silt loam, 0 to 2 percent slopes	2	WI Predominantly Nonhydric	Depressions
KaC	Karlin loamy fine sand, 6 to 15 percent slopes	0	WI Nonhydric	—
KeC	Keweenaw-Sayner-Vilas complex, 1 to 15 percent slopes, stony	0	WI Nonhydric	—
Lo	Loxley and Dawson peats, 0 to 1 percent slopes	100	WI Hydric	—
PaC	Padus sandy loam, 6 to 15 percent slopes	0	WI Nonhydric	—
RoB	Rubicon sand, 0 to 6 percent slopes	1	WI Predominantly Nonhydric	Ground moraines
SaB	Sayner-Rubicon complex, 0 to 6 percent slopes	0	WI Nonhydric	—
SaC	Sayner-Rubicon complex, 6 to 15 percent slopes	0	WI Nonhydric	—
SaD	Sayner-Rubicon complex, 15 to 35 percent slopes	0	WI Nonhydric	—
Se	Seelyeville and Markey mucks, 0 to 1 percent slopes	100	WI Hydric	—

Table 2 – Hydric Soils List – All Components

Hydric Soil List - All Components–WI125-Vilas County, Wisconsin					
Map symbol and map unit name	Component/Local Phase	Comp. pct.	Landform	Hydric status	Hydric criteria met (code)
Au: Au Gres loamy sand, 0 to 3 percent slopes	Au Gres	75-100	Terraces,hillslopes,drainageways,flats	No	—
	Croswell	0-10	Terraces,hillslopes,flats	No	—
	Kinross	0-10	Depressions	Yes	2,3
	Flink	0-5	Terraces,hillslopes,drainageways,flats	No	—
CrA: Croswell sand, 0 to 4 percent slopes	Croswell	85-95	Rises,stream terraces	No	—
	Au Gres	0-5	Outwash plains	No	—
	Cublake	0-5	Outwash terraces,outwash plains,lake plains	No	—
	Vilas	0-5	Pitted outwash plains,outwash plains,moraines	No	—

Table 2 – Hydric Soils List – All Components - Continued

Hydric Soil List - All Components–WI125-Vilas County, Wisconsin					
Map symbol and map unit name	**Component/Local Phase**	**Comp. pct.**	**Landform**	**Hydric status**	**Hydric criteria met (code)**
CsA: Cublake loamy sand, 0 to 4 percent slopes	Cublake	65-95	Outwash terraces,outwash plains,lake plains	No	—
	Flink	0-10	Outwash plains,lake plains,outwash terraces,lake terraces	No	—
	Croswell	0-10	Outwash plains,stream terraces	No	—
	Vilas	0-10	Outwash plains,pitted outwash plains,moraines	No	—
	Annalake	0-5	Moraines,outwash plains,lake plains	No	—
FeB: Fence-Alcona complex, 0 to 6 percent slopes	Fence	60	Moraines,outwash plains,lake plains	No	—
	Alcona	40	Moraines,outwash plains,lake plains	No	—
Ga: Gaastra silt loam, 0 to 2 percent slopes	Gaastra	98	Drainageways on outwash plains,depressions on outwash plains,drainageways on moraines,depressions on lake plains,depressions on moraines,drainage ways on lake plains	No	—
	Dawson	2	Depressions	Yes	1,3
KaC: Karlin loamy fine sand, 6 to 15 percent slopes	Karlin-Moderately deep to sandy substratum	100	Outwash plains,moraines	No	—
KeC: Keweenaw-Sayner-Vilas complex, 1 to 15 percent slopes, stony	Keweenaw-Stony	20-80	Moraines	No	—
	Vilas-Stony	10-40	Moraines	No	—
	Sayner-Stony	10-40	Moraines	No	—
	Pence-Stony	0-10	Moraines	No	—
	Vilas-Till substratum, stony	0-14	Moraines	No	—
	Croswell-Stony	0-10	Moraines	No	—
	Springstead-Stony	0-10	Moraines	No	—
Lo: Loxley and Dawson peats, 0 to 1 percent slopes	Loxley	65	Drainageways on outwash plains,drainageways on lake plains,drainageways on moraines,depressions on outwash plains,depressions on lake plains,depressions on moraines	Yes	1,3

Table 2 – Hydric Soils List – All Components - Continued

Hydric Soil List - All Components–WI125-Vilas County, Wisconsin					
Map symbol and map unit name	**Component/Local Phase**	**Comp. pct.**	**Landform**	**Hydric status**	**Hydric criteria met (code)**
	Dawson	35	Drainageways on outwash plains,drainageways on lake plains,drainageways on moraines,depressions on outwash plains,depressions on lake plains,depressions on moraines	Yes	1,3
PaC: Padus sandy loam, 6 to 15 percent slopes	Padus	70-100	Eskers,kames,hillslopes	No	—
	Pence	0-15	Eskers,kames,hillslopes	No	—
	Padus-Stony	0-5	Eskers,kames,hillslopes	No	—
	Sayner	0-5	Eskers,kames,hillslopes	No	—
	Stambaugh	0-5	Hillslopes	No	—
RoB: Rubicon sand, 0 to 6 percent slopes	Rubicon	80-100	Ground moraines,beach ridges,outwash plains	No	—
	Kalkaska	0-10	Outwash plains	No	—
	Croswell	0-10	Ground moraines,beach ridges,outwash plains	No	—
	Au Gres	0-10	Outwash plains	No	—
	Kinross	0-5	Ground moraines,outwash plains	Yes	2,3
SaB: Sayner-Rubicon complex, 0 to 6 percent slopes	Sayner	65	Stream terraces,outwash plains	No	—
	Rubicon	35	Stream terraces,outwash plains	No	—
SaC: Sayner-Rubicon complex, 6 to 15 percent slopes	Sayner	65	Stream terraces,outwash plains	No	—
	Rubicon	35	Stream terraces,outwash plains	No	—
SaD: Sayner-Rubicon complex, 15 to 35 percent slopes	Sayner	70	Stream terraces,outwash plains	No	—
	Rubicon	30	Stream terraces,outwash plains	No	—

Table 2 – Hydric Soils List – All Components - Continued

Hydric Soil List - All Components–WI125-Vilas County, Wisconsin					
Map symbol and map unit name	**Component/Local Phase**	**Comp. pct.**	**Landform**	**Hydric status**	**Hydric criteria met (code)**
Se: Seelyeville and Markey mucks, 0 to 1 percent slopes	Seelyeville	75	Drainageways on outwash plains,drainageways on lake plains,drainageways on moraines,depressions on outwash plains,depressions on lake plains,depressions on moraines	Yes	1,3
	Markey	25	Drainageways on outwash plains,drainageways on lake plains,drainageways on moraines,depressions on outwash plains,depressions on lake plains,depressions on moraines	Yes	1,3

Hydric soil criteria codes 1, 2 and 3 are defined as follows;

1. All Histels except for Folistels, and Histosols except for Folists.
2. Soils in Aquic suborders, great groups, or subgroups, Albolls suborder, Historthels great group, Histoturbels great group, Pachic subgroups, or Cumulic subgroups that:
   a. Based on the range of characteristics for the soil series, will at least in part meet one or more Field Indicators of Hydric Soils in the United States, or
   b. Show evidence that the soil meets the definition of a hydric soil;
3. Soils that are frequently ponded for long or very long duration during the growing season.
   a. Based on the range of characteristics for the soil series, will at least in part meet one or more Field Indicators of Hydric Soils in the United States, or
   b. Show evidence that the soil meets the definition of a hydric soil;

An antecedent precipitation evaluation was conducted for the three months prior the site visits using the USACE APT. The APT summarized data from local weather stations and determined climatic conditions were wetter than normal for the time of the site visits. The Palmer Drought Index also indicates climatic conditions were wetter than normal (Moderately Moist, +2.00 to +2.99) at the time of the site visits. Based on evaluation of both sources of data it was determined climatic conditions were wetter than normal at the time of the site visits. The antecedent precipitation evaluation, WETS data and Palmer Drought Index reports for the area at the time of the site visits are included in Appendix B.

FIELD DELINEATION

Ten wetlands (Wetlands 1 through 10) were delineated during the site visits. The following section describes the wetlands identified within the Study Area and the basis for determining the wetland boundaries. See Appendix A for Wetland Data Forms. Refer to Figure 2 for the location of the wetlands and each sample transect. Site photos are included in Appendix C.

The Wetland Data Sheets classify the wetland according to the Cowarden classification system. The wetland boundaries were identified using procedures identified in the 1987 Corp of Engineers Wetlands Delineation Manual and Northcentral/Northeast Regional Supplement, including observations of

transitions in wetland hydrology, vegetation and soils, as well as topographical position and best professional judgment.

DELINEATED WETLANDS

Wetland 1

Wetland 1 is located in the southeast portion of the Study Area and is +/- 2.765 acres in size. Wetland 1 extends beyond the Study Area to the east. Wetland 1 is classified as a Wooded Swamp community. The WWI map indicates the presence of one large wetland complex identified as a T8K community in the vicinity of Wetland 1. Wetland indicator soils are also mapped within the vicinity of Wetland 1.

The wetland boundaries were identified based on well defined topographic breaks with gently rolling to moderately steep upland sideslopes transitioning to wetland at the toeslope. Transitions in vegetation, soils and hydrology were rather abrupt with red pine (*Pinus resinosa*), eastern white pine (*Pinus strobus*), red maple (*Acer rubrum*), balsam fir (*Abies balsamea*), Pennsylvania sedge (*Carex pensylvanica*), running ground pine (*Lycopodium clavatum*) and bracken fern (*Pteridium aqualinum*) being common dominant species in the upland areas transitioning to tamarack (*Larix laricina*), black spruce (*Picea mariana*), red maple, eastern white pine and sphagnum moss (*Sphagnum magellanicum*) being the dominant species in the wetland areas.

Hydrology within wetland areas was obvious with geomorphic position and high water table being the most evident indicators. Soils consisted primarily of muck and mucky peat or muck overlying low chroma sand in wetland areas while upland areas had high chroma/high value loamy sand and sandy loam soils lacking hydric soil indicators.

Plot Wet 1-1: The plant community met wetland vegetation criteria with the Dominance Test (80.0%) and the Prevalence Index (1.989) being met. The dominant vegetation at the sample plot included red maple, black spruce, eastern white pine and sphagnum moss. Saturation and high water table were observed at the soil surface. Primary wetland hydrology indicators A2 (High Water Table), A3 (Saturation), B9 (Water-Stained Leaves) and secondary indicators D2 (Geomorphic Position) and D5 (FAC-neutral Test) were present. NRCS hydric soil indicator A1 (Histosol) was present.

Plot Wet 1-2: The plant community met wetland vegetation criteria with the Dominance Test (75.0%) and the Prevalence Index (1.698) being met. The dominant vegetation at the sample plot included tamarack, black spruce, eastern white pine and sphagnum moss. Saturation was observed at the soil surface and high water table at -1 inch below the soil surface. Primary wetland hydrology indicators A2, A3 and secondary indicators D2 and D5 were present. NRCS hydric soil indicator A2 (Histic Epipedon) was present.

Wetland 2

Wetland 2 is located in the northeastern portion of the Study Area and is +/- 8.855 acres in size. Wetland 2 extends beyond the Study Area to the south and east. Wetland 2 is classified as a Wooded Swamp community. The WWI map indicates the presence of one large wetland complex identified as a T8K community in the vicinity of Wetland 2. Wetland indicator soils are also mapped within the vicinity of Wetland 2.

The wetland boundaries were identified based on well defined topographic breaks with gently rolling upland sideslopes transitioning to wetland at the toeslope. Transitions in vegetation, soils and hydrology were rather abrupt with balsam fir, eastern white pine, eastern hemlock (*Tsuga canadensis*), bracken fern, slender rosette grass (*Dichanthelium xanthophysum*), princess pine (*Dendrolycopodium obscurum*), low-bush blueberry (*Vaccinium angustifolium*), American starflower (*Trientalis borealis*) and running ground pine being

common dominant species in the upland areas transitioning to tamarack, red maple, black spruce, eastern white pine, eastern hemlock, sphagnum moss, cinnamon fern (*Osmunda cinnamomea*), two-seeded bog sedge (*Carex disperma*), spinulose wood fern (*Dryopteris carthusiana*), three-leaved goldthread (*Coptis trifolia*) and brome-like sedge (*Carex disperma*) being the dominant species in the wetland areas.

Hydrology within wetland areas was obvious with geomorphic position and high water table being the most evident indicators. Soils consisted primarily of thick muck or a thin muck layer overlying depleted sandy loam in wetland areas while upland areas had high chroma/high value loamy sand and sandy loam soils lacking hydric soil indicators.

Plot Wet 2-1: The plant community met wetland vegetation criteria with the Dominance Test (87.5%) and the Prevalence Index (1.648) being met. The dominant vegetation at the sample plot included tamarack, red maple, black spruce, eastern white pine, balsam fir, sphagnum moss and cinnamon fern. Surface water was observed at +1 inch above the soil surface. Primary wetland hydrology indicators A1 (Surface Water), A2, A3, B9 and secondary indicators D2 and D5 were present. NRCS hydric soil indicator A1 was present.

Plot Wet 2-2: The plant community met wetland vegetation criteria with the Dominance Test (100.0%) and the Prevalence Index (1.723) being met. The dominant vegetation at the sample plot included black spruce, balsam fir, sphagnum moss and two-seeded bog sedge. Saturation was observed at the soil surface and high water table at -2 inches below the soil surface. Primary wetland hydrology indicators A2, A3, B9 and secondary indicators D2 and D5 were present. Soils were considered naturally problematic but met NRCS hydric soil indicator A10 (2 cm Muck) was present.

Plot Wet 2-3: The plant community met wetland vegetation criteria with the Dominance Test (83.3%) and the Prevalence Index (2.719) being met. The dominant vegetation at the sample plot included red maple, balsam fir, eastern hemlock, spinulose wood fern, three-leaved goldthread and brome-like sedge. Saturation was observed at the soil surface and high water table at -5 inches below the soil surface. Primary wetland hydrology indicators A2, A3, B9 and secondary indicators D2 and D5 were present. NRCS hydric soil indicators A11 (Depleted Below Dark Surface) and F3 (Depleted Matrix) were present.

Plot Wet 2-4: The plant community met wetland vegetation criteria with the Dominance Test (83.3%) and the Prevalence Index (2.719) being met. The dominant vegetation at the sample plot included red maple, balsam fir, eastern hemlock, spinulose wood fern, three-leaved goldthread and brome-like sedge. Saturation was observed at the soil surface and high water table at -5 inches below the soil surface. Primary wetland hydrology indicators A2, A3, B9 and secondary indicators D2 and D5 were present. NRCS hydric soil indicators A11 (Depleted Below Dark Surface) and F3 (Depleted Matrix) were present.

Wetland 3

Wetland 3 is located in the northeastern portion of the Study Area and is +/- 0.065 acres in size. Wetland 3 is entirely contained within the Study Area. Wetland 3 is classified as a Wooded Swamp community. No wetlands are mapped in the area of Wetland 3 although wetland indicator soils are mapped within the vicinity of this wetland.

The wetland boundaries were identified based on well defined topographic breaks with the wetland identified in a swale at the toeslope. Transitions in vegetation, soils and hydrology were rather abrupt with eastern hemlock, yellow birch (*Betula allegheniensis*), red maple, balsam fir, running ground pine and bracken

fern being common dominant species in the upland areas transitioning to red maple, yellow birch and brome-like sedge being the dominant species in the wetland area.

Hydrology within wetland area was obvious with geomorphic position, water-stained leaves and high water table being the most evident indicators. Soils consisted primarily of a thin muck layer overlying depleted loamy sand in wetland areas while upland areas had high chroma/high value loamy sand and sandy loam soils lacking hydric soil indicators.

Plot Wet 3-1: The plant community met wetland vegetation criteria with the Dominance Test (100.0%) and the Prevalence Index (2.788) being met. The dominant vegetation at the sample plot included red maple, yellow birch and brome-like sedge. Saturation was observed at the soil surface and high water table at -6 inches below the soil surface. Primary wetland hydrology indicators A2, A3, B9 and secondary indicators D2 and D5 were present. NRCS hydric soil indicators A11 (Depleted Below Dark Surface) and S5 (Sandy Redox) were present.

Wetland 4

Wetland 4 is located in the northeastern portion of the Study Area and is +/- 0.139 acres in size. Wetland 4 is entirely contained within the Study Area. Wetland 4 is classified as a Wooded Swamp community. No wetlands are mapped in the area of Wetland 4 although wetland indicator soils are mapped within the vicinity of this wetland.

The wetland boundaries were identified based on well defined topographic breaks with gently rolling to moderately steep upland sideslopes transitioning to wetland at the toeslope. Transitions in vegetation, soils and hydrology were rather abrupt with balsam fir, eastern hemlock and slender rosette grass being common dominant species in the upland areas transitioning to yellow birch, eastern white pine, balsam fir, sphagnum moss and two-seeded bog sedge being the dominant species in the wetland area.

Hydrology within wetland area was obvious with geomorphic position, water-stained leaves and surface water being the most evident indicators. Soils consisted primarily of a thin muck and peat surface layer overlying depleted sandy loam in wetland areas while upland areas had high chroma/high value loamy sand and sandy loam soils lacking hydric soil indicators.

Plot Wet 4-1: The plant community met wetland vegetation criteria with the Dominance Test (80.0%) and the Prevalence Index (2.517) being met. The dominant vegetation at the sample plot included yellow birch, eastern white pine, balsam fir, sphagnum moss and two-seeded bog sedge. Surface water was observed at +2 inches above the soil surface. Primary wetland hydrology indicators A1, A2, A3, B9 and secondary indicators D2 and D5 were present. NRCS hydric soil indicators A11 and F3 (Depleted Matrix) were present.

Wetland 5

Wetland 5 is located in the northeastern portion of the Study Area and is +/- 0.051 acres in size. Wetland 5 is entirely contained within the Study Area. Wetland 5 is classified as a Wooded Swamp community. No wetlands are mapped in the area of Wetland 5 although wetland indicator soils are mapped within the vicinity of this wetland.

The wetland boundaries were identified based on well defined topographic breaks with gently rolling to moderately steep upland sideslopes transitioning to wetland at the toeslope. Transitions in vegetation, soils and hydrology were rather abrupt with balsam fir, yellow birch, Canada mayflower (*Maianthemum canadense*) and running ground pine being common dominant species in the upland areas transitioning to

balsam fir, eastern hemlock, sphagnum moss and two-seeded bog sedge being the dominant species in the wetland area.

Hydrology within wetland area was obvious with geomorphic position, water-stained leaves and surface water being the most evident indicators. Soils consisted primarily of a thin mucky peat surface layer overlying depleted sandy loam in wetland areas while upland areas had high chroma/high value loamy sand and sandy loam soils lacking hydric soil indicators.

Plot Wet 5-1: The plant community met wetland vegetation criteria with the Dominance Test (75.0%) and the Prevalence Index (2.278) being met. The dominant vegetation at the sample plot included balsam fir, eastern hemlock, sphagnum moss and two-seeded bog sedge. Surface water was observed at +2 inches above the soil surface. Primary wetland hydrology indicators A1, A2, A3, B9 and secondary indicators D2 and D5 were present. NRCS hydric soil indicators A11 and F3 (Depleted Matrix) were present.

Wetland 6

Wetland 6 is located in the northeastern portion of the Study Area and is +/- 0.519 acres in size. Wetland 6 is entirely contained within the Study Area. Wetland 6 is classified as a Wooded Swamp community. A small (< 2 acres) wetland symbol is mapped in the vicinity of Wetland 6. Wetland indicator soils are not mapped within the vicinity of this wetland.

The wetland boundaries were identified based on well defined topographic breaks with gently rolling to moderately steep upland sideslopes transitioning to wetland at the toeslope. Transitions in vegetation, soils and hydrology were rather abrupt with balsam fir, yellow birch, red maple, low-bush blueberry and American starflower being common dominant species in the upland areas transitioning to eastern white pine, red maple, black spruce, sphagnum moss and two-seeded bog sedge being the dominant species in the wetland area. The upland sample plot met the Dominance Test due to Facultative (FAC) species but soils were not hydric, no hydrology indicators were observed and topographic position was indicative of upland conditions.

Hydrology within wetland area was obvious with geomorphic position, water-stained leaves and surface water being the most evident indicators. Soils consisted primarily of a thin muck and peat surface layer overlying depleted sandy loam in wetland areas while upland areas had high chroma/high value loamy sand and sandy loam soils lacking hydric soil indicators.

Plot Wet 6-1: The plant community met wetland vegetation criteria with the Dominance Test (83.3%) and the Prevalence Index (2.269) being met. The dominant vegetation at the sample plot included eastern white pine, red maple, black spruce, balsam fir, sphagnum moss and two-seeded bog sedge. Surface water was observed at +6 inches above the soil surface. Primary wetland hydrology indicators A1, A2, A3, B7 (Inundation Visible on Aerial Imagergy), B9 and secondary indicators D2 and D5 were present. NRCS hydric soil indicators A11 and F3 (Depleted Matrix) were present.

Wetland 7

Wetland 7 is located in the northern portion of the Study Area and is +/- 0.677 acres in size. Wetland 7 is entirely contained within the Study Area. Wetland 7 is classified as a Wet Meadow community. A small (< 2 acres) wetland symbol is mapped in the vicinity of Wetland 7. Wetland indicator soils are not mapped within the vicinity of this wetland.

The wetland boundaries were identified based on well defined topographic breaks with gently rolling to moderately steep upland sideslopes transitioning to wetland at the toeslope. Transitions in vegetation,

soils and hydrology were rather abrupt with northern red oak (*Quercus rubra*), quaking aspen (*Populus tremuloides*), balsam fir, eastern white pine, hairy woodland brome (*Bromus pubescens*) and butter-and-eggs (*Linaria vulgaris*) being common dominant species in the upland areas transitioning to tamarack, wool-grass (*Scirpus cyperinus*), leatherleaf (*Ledum groenlandicum*) and Canada bluejoint (*Calamagrostis canadensis*) being the dominant species in the wetland area.

Hydrology within wetland area was obvious with geomorphic position and surface water being the most evident indicators. Soils consisted primarily of thick muck in wetland areas while upland areas had high chroma/high value loamy sand and sandy loam soils lacking hydric soil indicators.

Plot Wet 7-1: The plant community met wetland vegetation criteria with the Dominance Test (100.0%) and the Prevalence Index (1.328) being met. The dominant vegetation at the sample plot included tamarack, wool-grass, leatherleaf and Canada bluejoint. Surface water was observed at +8 inches above the soil surface. Primary wetland hydrology indicators A1, A2, A3, B9 and secondary indicators D2 and D5 were present. NRCS hydric soil indicator A1 was present.

Wetland 8

Wetland 8 is located in the northeastern portion of the Study Area and is +/- 0.737 acres in size. Wetland 8 is entirely contained within the Study Area. Wetland 8 is classified as a Wooded Swamp/Bog community. A small (< 2 acres) wetland symbol is mapped in the vicinity of Wetland 8. Wetland indicator soils are not mapped within the vicinity of this wetland.

The wetland boundaries were identified based on well defined topographic breaks with moderately steep to steep upland sideslopes transitioning to wetland at the toeslope. Transitions in vegetation, soils and hydrology were rather abrupt with balsam fir, red maple, running ground pine, Pennsylvania sedge and Canada mayflower being common dominant species in the upland areas transitioning to tamarack, black spruce, red maple, speckled alder (*Alnus incana ssp. rugosa*) and sphagnum moss being the dominant species in the wetland area. The upland sample plot met the Dominance Test due to FAC species but soils were not hydric, no hydrology indicators were observed and topographic position was indicative of upland conditions.

Hydrology within wetland area was obvious with geomorphic position, water-stained leaves and surface water being the most evident indicators. Soils consisted primarily of a thick muck layer overlying depleted loamy sand in wetland areas while upland areas had high chroma/high value loamy sand and sandy loam soils lacking hydric soil indicators.

Plot Wet 8-1: The plant community met wetland vegetation criteria with the Dominance Test (100.0%) and the Prevalence Index (1.487) being met. The dominant vegetation at the sample plot included tamarack, black spruce, red maple, speckled alder and sphagnum moss. Surface water was observed at +5 inches above the soil surface. Primary wetland hydrology indicators A1, A2, A3, B9 and secondary indicators D2 and D5 were present. NRCS hydric soil indicators A2 (Histic Epipedon) and A11 were present.

Wetland 9

Wetland 9 is located in the northwestern portion of the Study Area and is +/- 0.273 acres in size. Wetland 9 is entirely contained within the Study Area. Wetland 9 is classified as a Wet Meadow community. A small (< 2 acres) wetland symbol is mapped in the vicinity of Wetland 9. Wetland indicator soils are not mapped within the vicinity of this wetland.

The wetland boundaries were identified based on well defined topographic breaks with very steep upland sideslopes transitioning to wetland at the toeslope. Transitions in vegetation, soils and hydrology were rather abrupt with red maple, white birch (*Betula papyrifera*), red maple, eastern white pine, hairy wood sedge (*Carex hirtifolia*), slender rosette grass and princess' pine being common dominant species in the upland areas transitioning to yellow birch, eastern white pine, red maple and wild calla (*Calla palustris*) being the dominant species in the wetland area.

Hydrology within wetland area was obvious with geomorphic position, water-stained leaves and surface water being the most evident indicators. Soils consisted primarily of a thick mucky sand layer overlying low chroma sand in wetland areas while upland areas had high chroma/high value loamy sand and sandy loam soils lacking hydric soil indicators.

Plot Wet 9-1: The plant community met wetland vegetation criteria with the Dominance Test (75.0%) and the Prevalence Index (2.000) being met. The dominant vegetation at the sample plot included yellow birch, eastern white pine, red maple and wild calla. Surface water was observed at +9 inches above the soil surface. Primary wetland hydrology indicators A1, A2, A3, B9 and secondary indicator D2 were present. NRCS hydric soil indicator S1 (Sandy Muck Mineral) was present.

Wetland 10

Wetland 8 is located in the northwestern portion of the Study Area and is +/- 0.154 acres in size. Wetland 10 is entirely contained within the Study Area. Wetland 10 is classified as a Wet Meadow community. No wetlands or wetland indicator soils are mapped within the vicinity of this wetland.

The wetland boundaries were identified based on well defined topographic breaks with very steep upland sideslopes transitioning to wetland at the toeslope. Transitions in vegetation, soils and hydrology were rather abrupt with red maple, white birch, eastern white pine, northern red oak, black cherry (*Prunus serotina*), bracken fern and hairy wood sedge being common dominant species in the upland areas transitioning to Canada bluejoint and sensitive fern (*Onoclea sensibilis*) being the dominant species in the wetland area.

Hydrology within wetland area was obvious with geomorphic position and surface water being the most evident indicators. Soils consisted primarily of mucky sand overlying low chroma sand in wetland areas while upland areas had high chroma/high value loamy sand and sandy loam soils lacking hydric soil indicators.

Plot Wet 10-1: The plant community met wetland vegetation criteria with the Rapid Test for Hydrophytic Vegetation, the Dominance Test (100.0%) and the Prevalence Index (1.263) being met. The dominant vegetation at the sample plot included Canada bluejoint and sensitive fern. Surface water was observed at +7 inches above the soil surface. Primary wetland hydrology indicators A1, A2, A3 and secondary indicators D2 and D5 were present. NRCS hydric soil indicator S1 was present.

Sample plots SP1 through SP3

Sample plots SP1 through SP3 were taken to document upland conditions in a portion of the Study Area mapped as having wetland indicator soils. All sample plots were dominated by non-hydrophytic vegetation, soils were not hydric and no hydrology indicators were observed. The on-site visits did not find any indications of wetlands in these portions of the Study Area.

Vegetation found within representative wetland areas throughout the study area includes the following:

Scientific Name	Common Name	Indicator
Abies balsamea	Balsam Fir	FAC
Acer rubrum	Red Maple	FAC
Alnus incana ssp. rugosa	Speckled Alder	FACW
Betula allegheniensis	Yellow Birch	FAC
Calamagrostis canadensis	Canada Bluejoint	OBL
Calla palustris	Wild Calla	OBL
Carex bromoides	Brome-Like Sedge	FACW
Carex brunnescens	Green Bog Sedge	FACW
Carex disperma	Two-Seeded Bog Sedge	OBL
Carex lacustris	Lake Sedge	OBL
Coptis trifolia	Three-Leaved Gold-Thread	FACW
Dryopteris carthusiana	Spinulose Wood Fern	FACW
Gaultheria hispidula	Creeping Snowberry	FACW
Glyceria striata	Fowl Manna Grass	OBL
Iris versicolor	Blue Flag	OBL
Larix laricina	Tamarack	FACW
Ledum groenlandicum	Labrador Tea	OBL
Onoclea sensibilis	Sensitive Fern	FACW
Osmunda cinnamonea	Cinnamon Fern	FACW
Picea mariana	Black Spruce	FACW
Pinus strobus	Eastern White Pine	FACU
Prunus serotina	Black Cherry	FACU
Sphagnum magellanicum	Sphagnum Moss	OBL
Spiraea tomentosa	Steeplebush	FACW
Trientalis borealis	American Starflower	FAC
Tsuga canadensis	Eastern Hemlock	FACU
Typha latifolia	Broad-Leaved Cattail	OBL

Vegetation found within representative upland areas throughout the study area includes the following:

Scientific Name	Common Name	Indicator
Abies balsamea	Balsam Fir	FAC
Acer rubrum	Red Maple	FAC
Betula allegheniensis	Yellow Birch	FAC
Betula papyrifera	White Birch	FACU
Bromus pubescens	Hairy Woodland Brome	FACU
Carex hirtifolia	Hairy Wood Sedge	UPL
Carex ormostachya	Necklace-Spike Wood Sedge	UPL
Carex pensylvanica	Pennsylvania Sedge	UPL
Coptis trifolia	Three-Leaved Gold-Thread	FACW
Dendrolycopodium obscurum	Princess' Pine	FACU
Dichanthelium xanthophysum	Slender Rosette Grass	UPL
Gymnocarpium dryopteris	Western Oak Fern	FACU
Linaria vulgaris	Butter-and-Eggs	UPL
Lycopodium clavatum	Running Ground Pine	FAC
Maianthemum canadense	Canada Mayflower	FACU
Pinus resinosa	Red Pine	FACU
Pinus strobus	Eastern White Pine	FACU
Poa pratensis	Kentucky Bluegrass	FACU
Populus tremuloides	Quaking Aspen	FAC

Prunus virginiana	Chokecherry	FACU
Pteridium aqualinum	Bracken Fern	FACU
Quercus rubra	Northern Red Oak	FACU
Trientalis borealis	American Starflower	FAC
Tsuga canadensis	Eastern Hemlock	FACU
Vaccinium angustifolium	Low-Bush Blueberry	FACU
Veronica officinalis	Common Speedwell	FACU
Viola canadensis	Canadian White Violet	FACU

The wetland edges were flagged based on the transition from upland vegetation to wetland vegetation and transitions in soil and hydrology observed at upland and wetland sample points.

Conclusions

The wetland delineation was conducted on May 19 and 22, 2023 by Ms. Ann Key, a WDNR Professionally Assured Wetland Delineator. The intent of the delineation was to identify wetlands for purposes of permitting a proposed condominium development within the Study Area. The Study Area is comprised of primarily of existing golf course, undisturbed upland forest and undisturbed wooded, shrub and bog swamp. The maintained golf course areas were considered to have Significantly Disturbed vegetation for purposes of wetland delineation but no other recent disturbances were observed and the portions of the Study Area where wetlands were identified was considered to have normal circumstances.

The WWI map was reviewed and indicates the presence of one large (> 2 acres) wetland complex spanning the eastern portions of Study Area, as well as four small (< 2 acres) wetland symbols and one USDA wet spot. The WWI map identifies the larger wetland complex as being comprised of the following community types; T8K and S6/W0H.

The wetland indicator soils layer was reviewed and identifies wetland indicator soils within the same general areas of the Study Area as mapped wetland complex and extending beyond to the north and east of the mapped wetland complex. Indicator soils are soils which are commonly found in wetlands or have inclusions of soils that are commonly found in wetlands.

The WDNR SWDV was also reviewed identifies Voyageur Lake immediately south of the Study Area as a PNW Walleye and Musky Area.

Ten wetlands (Wetlands 1 through 10) were delineated during the site visits. The Wetland Data Sheets classify the wetlands according to the Cowarden *Classification of Wetlands and Deepwater Habitats of the United States* (U.S. Fish and Wildlife Service, 1979) classification system.

An antecedent precipitation evaluation was conducted for the three months prior the site visits using the USACE APT. The APT summarized data from local weather stations and determined climatic conditions were wetter than normal for the time of the site visit. The Palmer Drought Index also indicates climatic conditions were wetter than normal (Moderately Moist +2.00 to +2.99) at the time of the site visits. Based on evaluation of both sources of data it was determined climatic conditions were wetter than normal at the time of the site visits.

All wetland sample plots met wetland vegetation criteria with a dominance of hydrophytic species. Hydric soil criteria was met at all wetland sample plots with the following indicators observed and recorded where applicable; A1, A2, A10, A11, S1, F1 and F3.

All wetland sample plots displayed both primary and secondary hydrology indicators and the following hydrology indicators were recorded where applicable; A1, A2, A3, B7, B9, D2 and D5.

Wetland boundaries were identified using procedures outlined in the 1987 Corps of Engineering Wetland Delineation Manual and Northcentral/Northeast Regional Supplement. The areas identified as wetland were identified based on transitions from wetland to upland vegetation, hydrology indicators and hydric soil indicators, or lack thereof, in wetland areas versus upland areas, topographical position and best professional judgment.

The findings of this wetland delineation report are only valid for the site conditions which existed at the time of this investigation. All wetland boundaries and jurisdictional determinations presented in this report are preliminary and subject to verification by USACE. The final authority for wetland boundaries and permit requirements rests with the government agencies which have jurisdiction over this project. Findings of this

wetland delineation are subject to revision based upon natural or induced changes in weather, vegetation management, land use, topography, surface water flow, subsurface drainage, stormwater management, within or near the project site which may affect the soils, hydrology, or vegetative community on the project site.

This report provides a description of existing wetland conditions within the Study Area and does not include quantification of any temporary or permanent impacts to wetlands or waterbodies. Such impacts would require review and approval from a variety of agencies. Activities which impact or potentially impact jurisdictional wetlands, are currently regulated at several levels of government. Federal (USACE), State (WDNR) and local government agencies may all be involved in reviewing a single project. To avoid potential penalties and project delays it is necessary to acquire necessary permits and approvals from all jurisdictional agencies before initiating activities in wetlands. It is important to obtain USACE concurrence on the wetland boundaries prior to proceeding with activities at the site.

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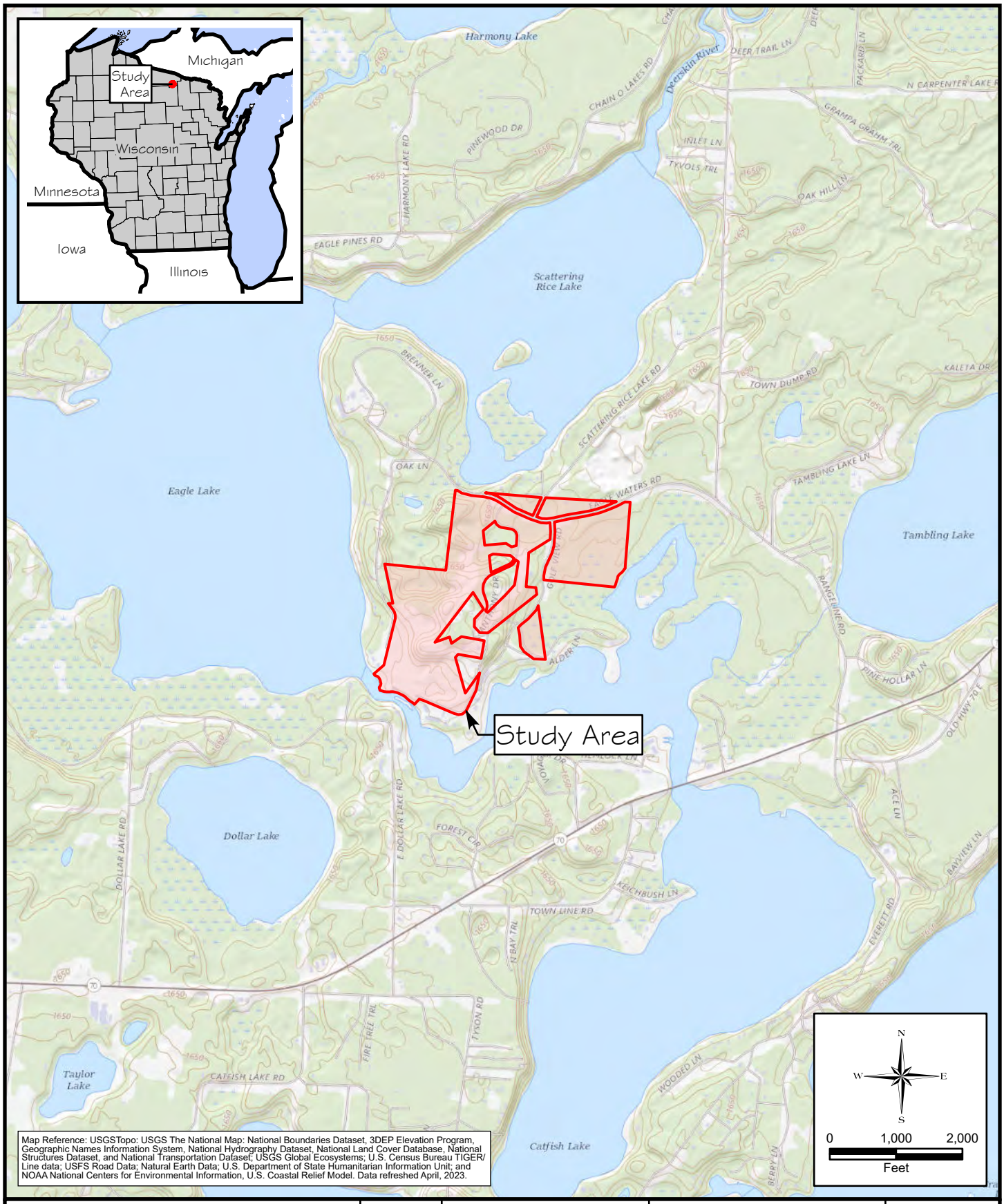
SITE FIGURES



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Site Location and Local Topography

Lake Forest Condominiums
Sec. 24, 25 and 26, T40N, R10E
Town of Washington, Vilas County, Wisconsin

Approved By:	AMK
Drawn By:	PM
Date:	05/01/2023
Scale:	1:2,000'

Wetlands & Waterways LLC

Figure

1A

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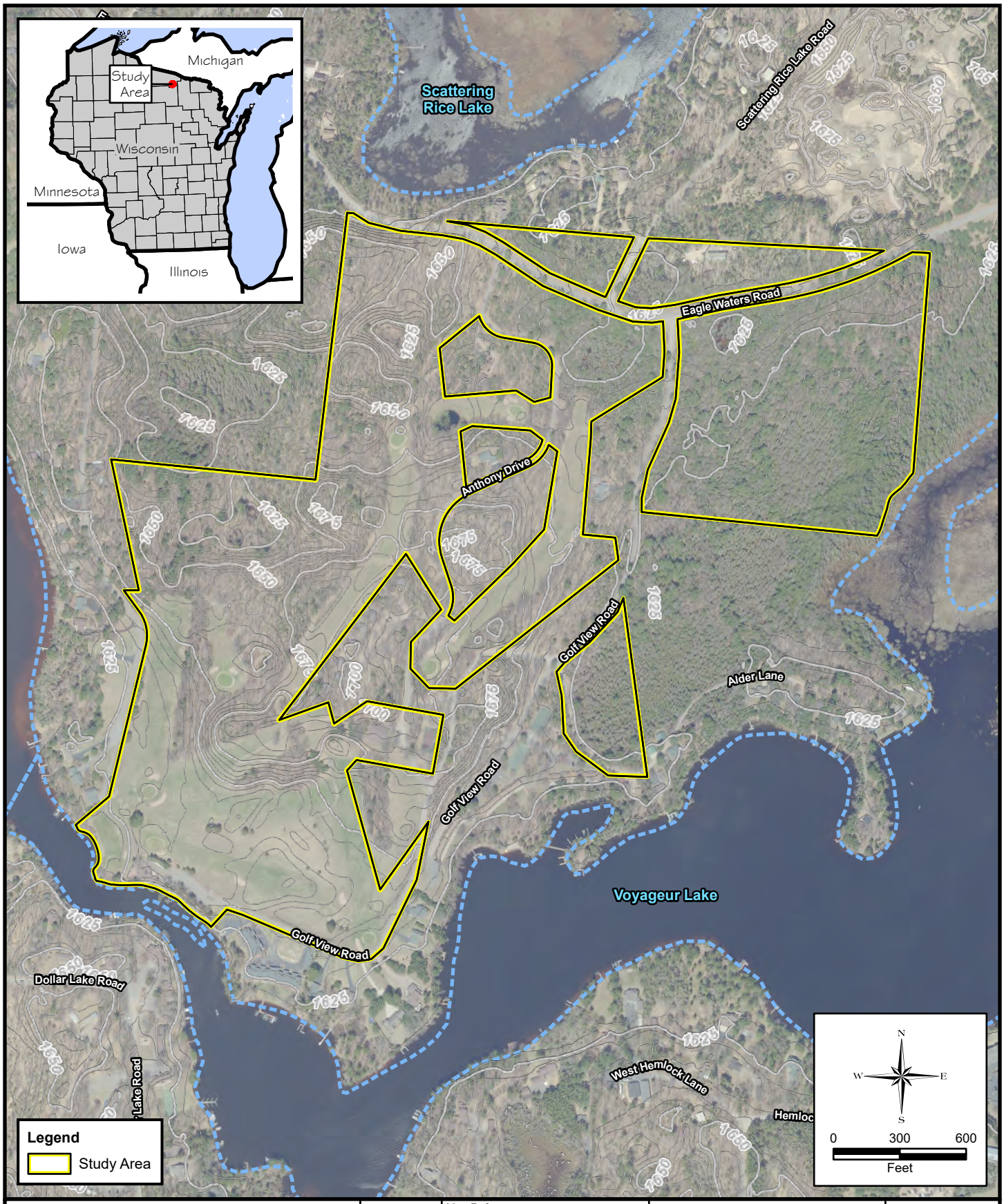

Vilas County
5-Foot Contour Map

Lake Forest Condominiums
Sec. 24, 25 and 26, T40N, R10E
Town of Washington, Vilas County, Wisconsin

Approved By:	AMK
Drawn By:	PM
Date:	05/01/2023
Scale:	1:600'

Map References:
Contours: Vilas County, 2013
Aerial Source: WI DNR, 2020

Wetlands & Waterways LLC

Figure

1B

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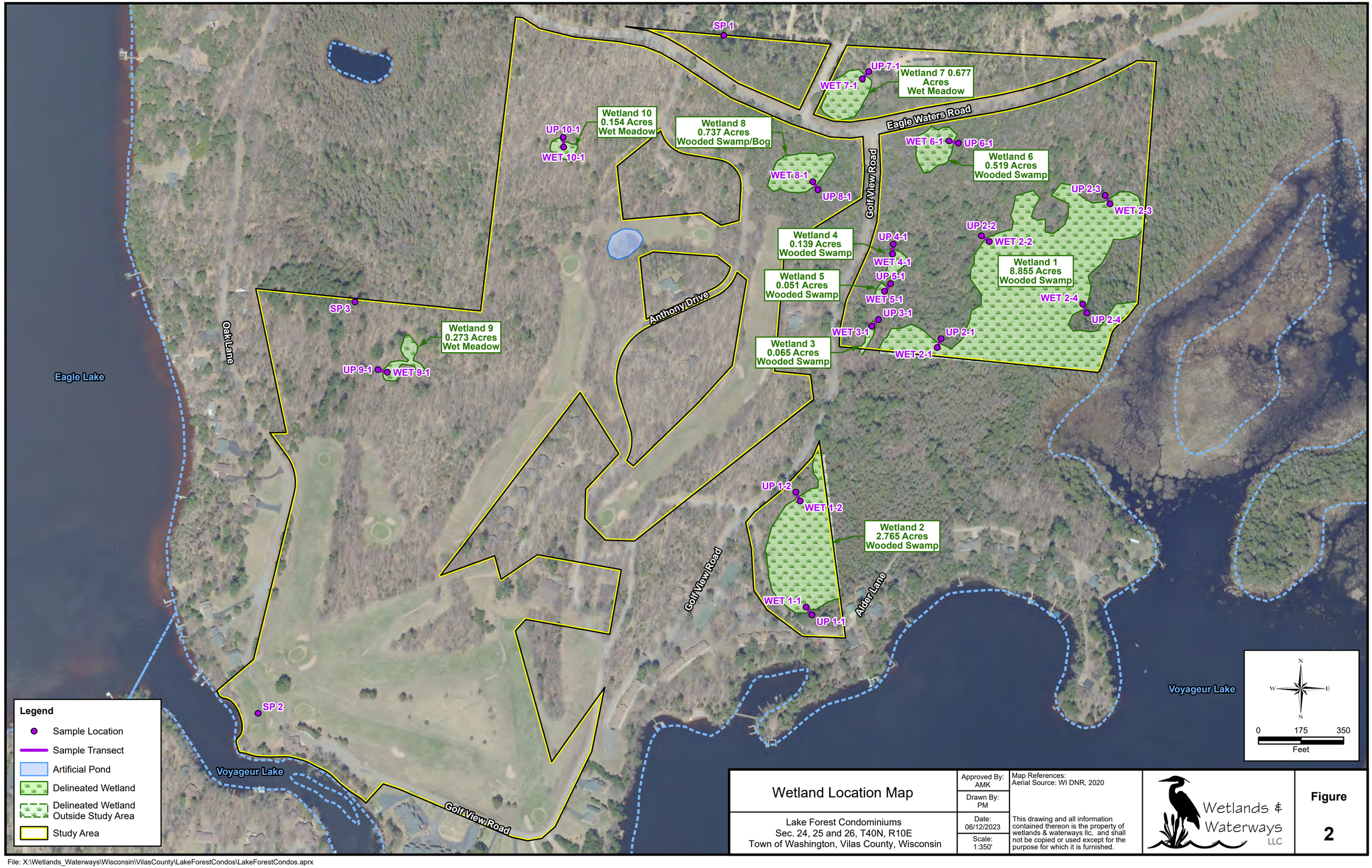

Wetland Location Map	Approved By: AMK Drawn By: PM	Map References: Aerial Source: WI DNR, 2020	Figure 2
Lake Forest Condominiums Sec. 24, 25 and 26, T40N, R10E Town of Washington, Vilas County, Wisconsin	Date: 06/12/2023 Scale: 1:350'	This drawing and all information contained thereon is the property of wetlands & waterways llc, and shall not be copied or used except for the purpose for which it is furnished.	Wetlands & Waterways LLC

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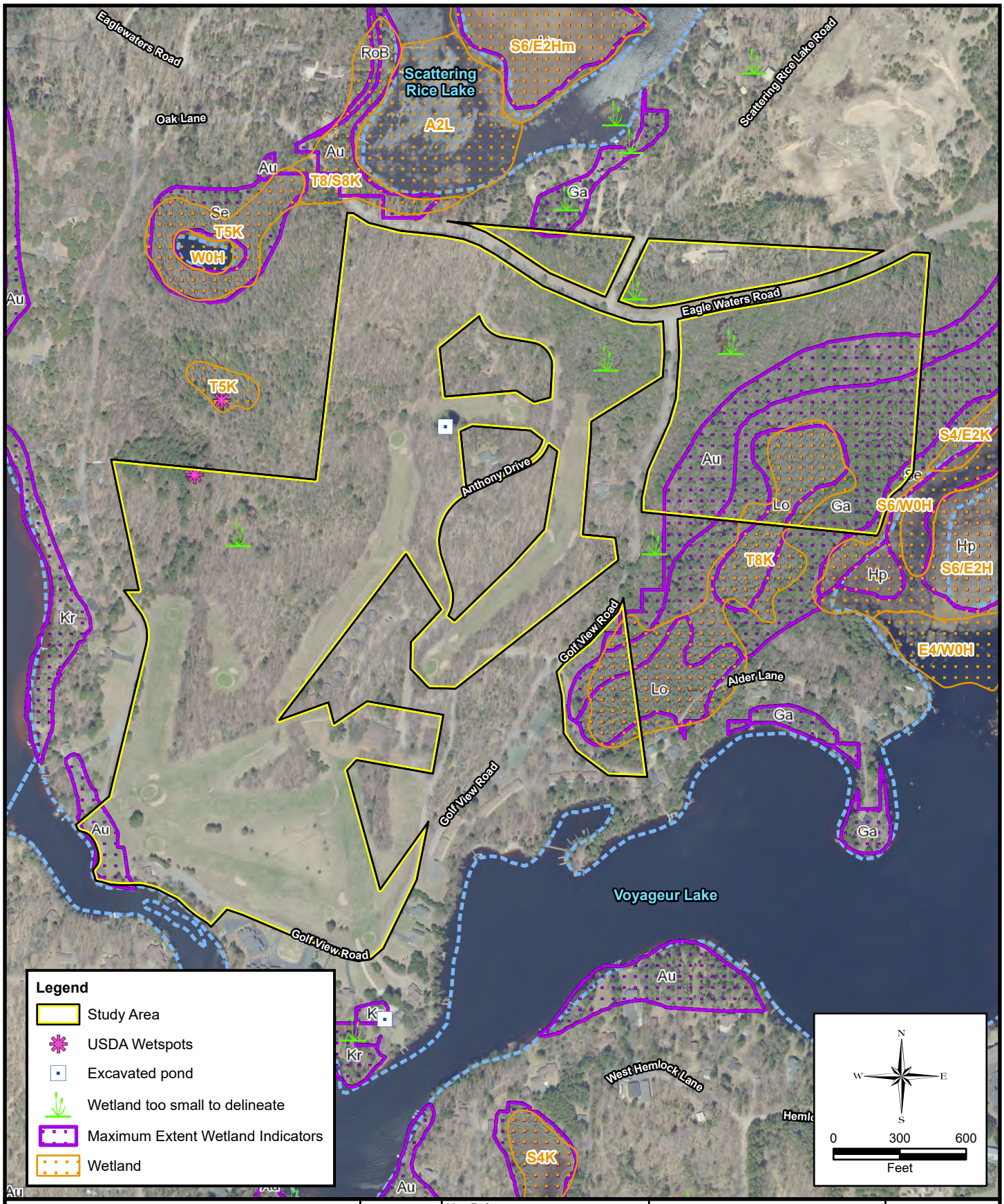

Wisconsin Wetland Inventory Map

Lake Forest Condominiums
Sec. 24, 25 and 26, T40N, R10E
Town of Washington, Vilas County, Wisconsin

Approved By:	AMK
Drawn By:	PM
Date:	05/01/2023
Scale:	1:600'

Map References:
Aerial Source: WI DNR, 2020
U.S. Department of Agriculture, Natural Resources Conservation Service

Wetlands & Waterways LLC

Figure 3

File: X:\Wetlands_Waterways\Wisconsin\VilasCounty\LakeForestCondos\LakeForestCondos.aprx Layout: F3_Wetland

Legend

- Study Area
- Soils

Au,Au Gres loamy sand; 0 to 3 percent slopes,Consociation

CrA,Croswell sand; 0 to 4 percent slopes,Consociation

CsA,Cublake loamy sand; 0 to 4 percent slopes,Consociation

FeB,Fence-Alcona complex; 0 to 6 percent slopes,Complex

Ga,Gaastra silt loam; 0 to 2 percent slopes,Consociation

KaC,Karlin loamy fine sand; 6 to 15 percent slopes,Consociation

KeC,Keweenaw-Sayner-Vilas complex; 1 to 15 percent slopes; stony,Complex

Lo,Loxley and Dawson peats; 0 to 1 percent slopes,Undifferentiated group

PaC,Padus sandy loam; 6 to 15 percent slopes,Consociation

RoB,Rubicon sand; 0 to 6 percent slopes,Consociation

SaB,Sayner-Rubicon complex; 0 to 6 percent slopes,Complex

SaC,Sayner-Rubicon complex; 6 to 15 percent slopes,Complex

SaD,Sayner-Rubicon complex; 15 to 35 percent slopes,Complex

Se,Seelyeville and Markey mucks; 0 to 1 percent slopes,Undifferentiated group

W,Water,Consociation

N
W E
S

0 300 600
Feet

Vilas County Soil Survey Map

Lake Forest Condominiums
Sec. 24, 25 and 26, T40N, R10E
Town of Washington, Vilas County, Wisconsin

Approved By: AMK
Drawn By: PM
Date: 05/01/2023
Scale: 1:600'

Map References:
Vilas County Soil Survey
Aerial Source: WI DNR, 2020

Wetlands & Waterways LLC

Figure 4

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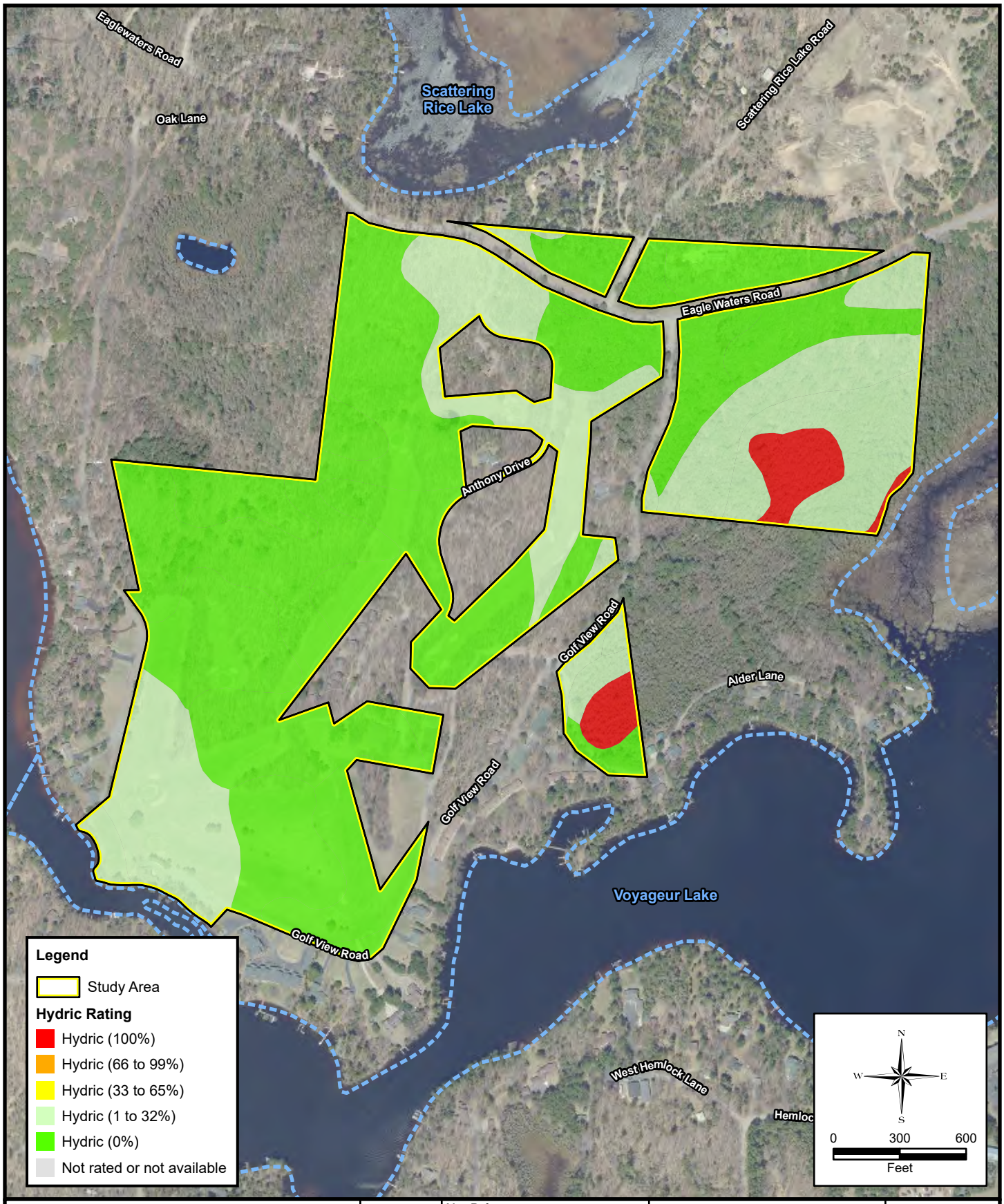


Vilas County Hydric Soil Map	Approved By: AMK	Map References: Vilas County Soil Survey Aerial Source: WI DNR, 2020	Wetlands & Waterways LLC	Figure
	Drawn By: PM			
Lake Forest Condominiums Sec. 24, 25 and 26, T40N, R10E Town of Washington, Vilas County, Wisconsin	Date: 05/01/2023	This drawing and all information contained thereon is the property of wetlands & waterways llc, and shall not be copied or used except for the purpose for which it is furnished.		5
	Scale: 1:600'			

File: X:\Wetlands_Waterways\Wisconsin\VilasCounty\LakeForestCondos\LakeForestCondos.aprx Layout: F5_HydricSoil

APPENDIX A – FIELD DATA SHEETS

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Lake Forest Condominiums **City/County:** Town of Washington, Vilas Co. **Sampling Date:** 19-May-23

Applicant/Owner: Dalmark Development Group, LLC **State:** WI **Sampling Point:** **Wet 1-1**

Investigator(s): Ann Key, WDNR Prof. Assured **Section, Township, Range: S.** 25 **T.** T40N **R.** 10E

Landform (hillslope, terrace, etc.): Toeslope **Local relief (concave, convex, none):** concave **Slope:** 0.0 % / 0.0 °

Subregion (LRR or MLRA): LRR K **Lat.:** 45.9255463979 **Long.:** -89.1880208234 **Datum:** WGS84

Soil Map Unit Name: Croswell sand; 0 to 4 percent slopes **NWI classification:** PFO7

Are climatic/hydrologic conditions on the site typical for this time of year? Yes ◉ No ○ **(If no, explain in Remarks.)**

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **significantly disturbed?** **Are "Normal Circumstances" present?** Yes ○ No ◉

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **naturally problematic?** **(If needed, explain any answers in Remarks.)**

Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ◉ No ○	**Is the Sampled Area within a Wetland?**	Yes ◉ No ○
Hydric Soil Present?	Yes ◉ No ○		
Wetland Hydrology Present?	Yes ◉ No ○		

Remarks: (Explain alternative procedures here or in a separate report.)

No recent disturbances were observed and the area was considered to have normal circumstances. This wetland is classified as a Wooded Swamp community.

Hydrology

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☑ High Water Table (A2)
- ☑ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☑ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15)
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of 2 required)

- ☐ Surface Soil Cracks (B6)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Stunted or Stressed Plants (D1)
- ☑ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ Microtopographic Relief (D4)
- ☑ FAC-neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ○ No ◉	Depth (inches):	
Water Table Present?	Yes ◉ No ○	Depth (inches):	0
Saturation Present? (includes capillary fringe)	Yes ◉ No ○	Depth (inches):	0

Wetland Hydrology Present? Yes ◉ No ○

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

The APT summarized data from local weather stations and determined climatic conditions were wetter than normal for the time of the site visit. This sample plot meets wetland hydrology criteria.

VEGETATION - Use scientific names of plants.

Sampling Point: Wet 1-1

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Acer rubrum*	30	☑	FAC
2. *Picea mariana*	25	☑	FACW
3. *Larix laricina*	10	☐	FACW
4. *Pinus strobus*	5	☐	FACU
5. *Gaultheria hispidula*	5	☐	FACW
6.	0	☐	
7.	0	☐	
	75	**= Total Cover**	
Sapling/Shrub Stratum (Plot size: 15' radius)			
1. *Pinus strobus*	10	☑	FACU
2. *Picea mariana*	5	☑	FACW
3. *Abies balsamea*	3	☐	FAC
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
	18	**= Total Cover**	
Herb Stratum (Plot size: 5' radius)			
1. *Sphagnum magellanicum*	70	☑	OBL
2. *Picea mariana*	10	☐	FACW
3. *Trientalis borealis*	5	☐	FAC
4. *Carex bromoides*	5	☐	FACW
5. *Carex brunnescens*	5	☐	FACW
6.	0	☐	
7.	0	☐	
8.	0	☐	
9.	0	☐	
10.	0	☐	
11.	0	☐	
12.	0	☐	
	95	**= Total Cover**	
Woody Vine Stratum (Plot size: 30' radius)			
1.	0	☐	
2.	0	☐	
3.	0	☐	
4.	0	☐	
	0	**= Total Cover**	

Dominance Test worksheet:

Number of Dominant Species That are OBL, FACW, or FAC: 4 (A)

Total Number of Dominant Species Across All Strata: 5 (B)

Percent of dominant Species That Are OBL, FACW, or FAC: 80.0% (A/B)

Prevalence Index worksheet:

	Total % Cover of:	Multiply by:	
OBL species	70	x 1 =	70
FACW species	65	x 2 =	130
FAC species	38	x 3 =	114
FACU species	15	x 4 =	60
UPL species	0	x 5 =	0
Column Totals:	188 (A)		374 (B)

Prevalence Index = B/A = 1.989

Hydrophytic Vegetation Indicators:

- ☐ **Rapid Test for Hydrophytic Vegetation**
- ☑ **Dominance Test is > 50%**
- ☑ **Prevalence Index is ≤3.0** [1]
- ☐ **Morphological Adaptations** [1] **(Provide supporting data in Remarks or on a separate sheet)**
- ☐ **Problematic Hydrophytic Vegetation** [1] **(Explain)**

[1] **Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.**

Definitions of Vegetation Strata:

Tree - Woody plants, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1m) tall..

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine - All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? **Yes** ◉ **No** ○

Remarks: (Include photo numbers here or on a separate sheet.)

Vegetation meets wetland criteria.

*Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil

Sampling Point: Wet 1-1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)		%	Redox Features Color (moist)	%	Type [1]	Loc[2]	Texture	Remarks
0-8	7.5YR	2.5/3	100	-	-	-	-	Peaty Muck	
8-20	7.5YR	2.5/1	100	-	-	-	-	Muck	

[1]Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains [2]Location: PL=Pore Lining. M=Matrix

Hydric Soil Indicators:

- [x] Histosol (A1)
- [ ] Histic Epipedon (A2)
- [ ] Black Histic (A3)
- [ ] Hydrogen Sulfide (A4)
- [ ] Stratified Layers (A5)
- [ ] Depleted Below Dark Surface (A11)
- [ ] Thick Dark Surface (A12)
- [ ] Sandy Muck Mineral (S1)
- [ ] Sandy Gleyed Matrix (S4)
- [ ] Sandy Redox (S5)
- [ ] Stripped Matrix (S6)
- [ ] Dark Surface (S7) (LRR R, MLRA 149B)
- [ ] Polyvalue Below Surface (S8) (LRR R, MLRA 149B)
- [ ] Thin Dark Surface (S9) (LRR R, MLRA 149B)
- [ ] Loamy Mucky Mineral (F1) LRR K, L)
- [ ] Loamy Gleyed Matrix (F2)
- [ ] Depleted Matrix (F3)
- [ ] Redox Dark Surface (F6)
- [ ] Depleted Dark Surface (F7)
- [ ] Redox Depressions (F8)

Indicators for Problematic Hydric Soils : [3]

- [ ] 2 cm Muck (A10) (LRR K, L, MLRA 149B)
- [ ] Coast Prairie Redox (A16) (LRR K, L, R)
- [ ] 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
- [ ] Dark Surface (S7) (LRR K, L, M)
- [ ] Polyvalue Below Surface (S8) (LRR K, L)
- [ ] Thin Dark Surface (S9) (LRR K, L)
- [ ] Iron-Manganese Masses (F12) (LRR K, L, R)
- [ ] Piedmont Floodplain Soils (F19) (MLRA 149B)
- [ ] Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
- [ ] Red Parent Material (F21)
- [ ] Very Shallow Dark Surface (TF12)
- [ ] Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ◉ No ○

Remarks:

Soils meet hydric soil criteria.

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Lake Forest Condominiums **City/County:** Town of Washington, Vilas Co. **Sampling Date:** 19-May-23

Applicant/Owner: Dalmark Development Group, LLC **State:** WI **Sampling Point:** Up 1-1

Investigator(s): Ann Key, WDNR Prof. Assured **Section, Township, Range: S.** 25 **T.** T40N **R.** 10E

Landform (hillslope, terrace, etc.): Sideslope **Local relief (concave, convex, none):** linear **Slope:** 8.0 % / 4.6 °

Subregion (LRR or MLRA): LRR K **Lat.:** 45.9254588563 **Long.:** -89.1879261352 **Datum:** WGS84

Soil Map Unit Name: Croswell sand; 0 to 4 percent slopes **NWI classification:**

Are climatic/hydrologic conditions on the site typical for this time of year? Yes ○ No ◉ **(If no, explain in Remarks.)**

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **significantly disturbed?** **Are "Normal Circumstances" present?** Yes ◉ No ○

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **naturally problematic?** **(If needed, explain any answers in Remarks.)**

Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ○ No ◉	**Is the Sampled Area within a Wetland?**	Yes ○ No ◉
Hydric Soil Present?	Yes ○ No ◉		
Wetland Hydrology Present?	Yes ○ No ◉		

Remarks: (Explain alternative procedures here or in a separate report.)

No recent disturbances were observed and the area was considered to have normal circumstances.

Hydrology

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15)
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of 2 required)

- ☐ Surface Soil Cracks (B6)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Stunted or Stressed Plants (D1)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ Microtopographic Relief (D4)
- ☐ FAC-neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ○ No ◉	Depth (inches):	
Water Table Present?	Yes ○ No ◉	Depth (inches):	
Saturation Present? (includes capillary fringe)	Yes ○ No ◉	Depth (inches):	**Wetland Hydrology Present?** Yes ○ No ◉

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

The APT summarized data from local weather stations and determined climatic conditions were wetter than normal for the time of the site visit. This sample plot does not meet wetland hydrology criteria.

VEGETATION - Use scientific names of plants.

Sampling Point: Up 1-1

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Pinus resinosa*	60	☑	FACU
2. *Abies balsamea*	30	☑	FAC
3.	0	☐	
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
	90	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15' radius)			
1. *Abies balsamea*	15	☑	FAC
2.	0	☐	
3.	0	☐	
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
	15	= Total Cover	
Herb Stratum (Plot size: 5' radius)			
1. *Carex pensylvanica*	30	☑	UPL
2. *Lycopodium clavatum*	3	☐	FAC
3. *Maianthemum canadense*	2	☐	FACU
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
8.	0	☐	
9.	0	☐	
10.	0	☐	
11.	0	☐	
12.	0	☐	
	35	= Total Cover	
Woody Vine Stratum (Plot size: 30' radius)			
1.	0	☐	
2.	0	☐	
3.	0	☐	
4.	0	☐	
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 4 (B)

Percent of dominant Species That Are OBL, FACW, or FAC: 50.0% (A/B)

Prevalence Index worksheet:

	Total % Cover of:	Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	48	x 3 =	144
FACU species	62	x 4 =	248
UPL species	30	x 5 =	150
Column Totals:	140 (A)		542 (B)

Prevalence Index = B/A = 3.871

Hydrophytic Vegetation Indicators:

- ☐ **Rapid Test for Hydrophytic Vegetation**
- ☐ **Dominance Test is > 50%**
- ☐ **Prevalence Index is ≤3.0** [1]
- ☐ **Morphological Adaptations** [1] **(Provide supporting data in Remarks or on a separate sheet)**
- ☐ **Problematic Hydrophytic Vegetation** [1] **(Explain)**

[1] **Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.**

Definitions of Vegetation Strata:

Tree - Woody plants, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1m) tall..

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine - All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ○ No ◉

Remarks: (Include photo numbers here or on a separate sheet.)

Vegetation does not meet wetland criteria.

*Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil

Sampling Point: Up 1-1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)		%	Redox Features Color (moist)		%	Type [1]	Loc[2]	Texture	Remarks
0-2	5YR	3/1	100	-	-	-	-	-	Sandy Loam	
2-3	5YR	5/2	100	-	-	-	-	-	Sandy Loam	E Horizon
3-20	5YR	4/6	100	-	-	-	-	-	Sand	

[1]Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains [2]Location: PL=Pore Lining. M=Matrix

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Muck Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) (LRR R, MLRA 149B)
- ☐ Polyvalue Below Surface (S8) (LRR R, MLRA 149B)
- ☐ Thin Dark Surface (S9) (LRR R, MLRA 149B)
- ☐ Loamy Mucky Mineral (F1) LRR K, L)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils : [3]

- ☐ 2 cm Muck (A10) (LRR K, L, MLRA 149B)
- ☐ Coast Prairie Redox (A16) (LRR K, L, R)
- ☐ 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
- ☐ Dark Surface (S7) (LRR K, L, M)
- ☐ Polyvalue Below Surface (S8) (LRR K, L)
- ☐ Thin Dark Surface (S9) (LRR K, L)
- ☐ Iron-Manganese Masses (F12) (LRR K, L, R)
- ☐ Piedmont Floodplain Soils (F19) (MLRA 149B)
- ☐ Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
- ☐ Red Parent Material (F21)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ○ No ◉

Remarks:

Soils do not meet hydric soil criteria.

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Lake Forest Condominiums **City/County:** Town of Washington, Vilas Co. **Sampling Date:** 19-May-23

Applicant/Owner: Dalmark Development Group, LLC **State:** WI **Sampling Point:** **Wet 1-2**

Investigator(s): Ann Key, WDNR Prof. Assured **Section, Township, Range: S.** 25 **T.** T40N **R.** 10E

Landform (hillslope, terrace, etc.): Toeslope **Local relief (concave, convex, none):** concave **Slope:** 0.0 % / 0.0 °

Subregion (LRR or MLRA): LRR K **Lat.:** 45.9267430680 **Long.:** -89.1881100518 **Datum:** WGS84

Soil Map Unit Name: Au Gres loamy sand; 0 to 3 percent slopes **NWI classification:** PFO7

Are climatic/hydrologic conditions on the site typical for this time of year? Yes (●) No ( ) **(If no, explain in Remarks.)**

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **significantly disturbed?** **Are "Normal Circumstances" present?** Yes ( ) No (●)

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **naturally problematic?** **(If needed, explain any answers in Remarks.)**

Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes (●) No ( )	**Is the Sampled Area within a Wetland?** Yes (●) No ( )
Hydric Soil Present? Yes (●) No ( )	
Wetland Hydrology Present? Yes (●) No ( )	

Remarks: (Explain alternative procedures here or in a separate report.)

No recent disturbances were observed and the area was considered to have normal circumstances. This wetland is classified as a Wooded Swamp community.

Hydrology

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☑ High Water Table (A2)
- ☑ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15)
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of 2 required)

- ☐ Surface Soil Cracks (B6)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Stunted or Stressed Plants (D1)
- ☑ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ Microtopographic Relief (D4)
- ☑ FAC-neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ( ) No (●)	Depth (inches):	
Water Table Present?	Yes (●) No ( )	Depth (inches):	-1
Saturation Present? (includes capillary fringe)	Yes (●) No ( )	Depth (inches):	0

Wetland Hydrology Present? Yes (●) No ( )

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

The APT summarized data from local weather stations and determined climatic conditions were wetter than normal for the time of the site visit. This sample plot meets wetland hydrology criteria.

VEGETATION - Use scientific names of plants.

Sampling Point: Wet 1-2

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Larix laricina*	50	☑	FACW
2. *Picea mariana*	25	☑	FACW
3. *Pinus strobus*	10	☐	FACU
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
	85	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15' radius)			
1. *Pinus strobus*	10	☑	FACU
2.	0	☐	
3.	0	☐	
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
	10	= Total Cover	
Herb Stratum (Plot size: 5' radius)			
1. *Sphagnum magellanicum*	90	☑	OBL
2. *Ledum groenlandicum*	15	☐	OBL
3. *Pinus strobus*	2	☐	FACU
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
8.	0	☐	
9.	0	☐	
10.	0	☐	
11.	0	☐	
12.	0	☐	
	107	= Total Cover	
Woody Vine Stratum (Plot size: 30' radius)			
1.	0	☐	
2.	0	☐	
3.	0	☐	
4.	0	☐	
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That are OBL, FACW, or FAC: 3 (A)

Total Number of Dominant Species Across All Strata: 4 (B)

Percent of dominant Species That Are OBL, FACW, or FAC: 75.0% (A/B)

Prevalence Index worksheet:

	Total % Cover of:	Multiply by:	
OBL species	105	x 1 =	105
FACW species	75	x 2 =	150
FAC species	0	x 3 =	0
FACU species	22	x 4 =	88
UPL species	0	x 5 =	0
Column Totals:	202 (A)		343 (B)

Prevalence Index = B/A = 1.698

Hydrophytic Vegetation Indicators:

- ☐ **Rapid Test for Hydrophytic Vegetation**
- ☑ **Dominance Test is > 50%**
- ☑ **Prevalence Index is ≤3.0** [1]
- ☐ **Morphological Adaptations** [1] **(Provide supporting data in Remarks or on a separate sheet)**
- ☐ **Problematic Hydrophytic Vegetation** [1] **(Explain)**

[1] **Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.**

Definitions of Vegetation Strata:

Tree - Woody plants, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1m) tall..

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine - All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? **Yes** ◉ **No** ○

Remarks: (Include photo numbers here or on a separate sheet.)

Vegetation meets wetland criteria.

*Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil

Sampling Point: Wet 1-2

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)		%	Redox Features Color (moist)	%	Type [1]	Loc[2]	Texture	Remarks
0-8	7.5YR	2.5/2	100	-	-	-	-	Peaty Muck	
8-20	10YR	4/2	100	-	-	-	-	Sand	

[1]Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains [2]Location: PL=Pore Lining. M=Matrix

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☑ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Muck Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) (LRR R, MLRA 149B)
- ☐ Polyvalue Below Surface (S8) (LRR R, MLRA 149B)
- ☐ Thin Dark Surface (S9) (LRR R, MLRA 149B)
- ☐ Loamy Mucky Mineral (F1) LRR K, L)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils : [3]

- ☐ 2 cm Muck (A10) (LRR K, L, MLRA 149B)
- ☐ Coast Prairie Redox (A16) (LRR K, L, R)
- ☐ 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
- ☐ Dark Surface (S7) (LRR K, L, M)
- ☐ Polyvalue Below Surface (S8) (LRR K, L)
- ☐ Thin Dark Surface (S9) (LRR K, L)
- ☐ Iron-Manganese Masses (F12) (LRR K, L, R)
- ☐ Piedmont Floodplain Soils (F19) (MLRA 149B)
- ☐ Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
- ☐ Red Parent Material (F21)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ◉ No ○

Remarks:

Soils meet hydric soil criteria.

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Lake Forest Condominiums **City/County:** Town of Washington, Vilas Co. **Sampling Date:** 19-May-23

Applicant/Owner: Dalmark Development Group, LLC **State:** WI **Sampling Point:** Up 1-2

Investigator(s): Ann Key, WDNR Prof. Assured **Section, Township, Range: S.** 25 **T.** T40N **R.** 10E

Landform (hillslope, terrace, etc.): Sideslope **Local relief (concave, convex, none):** linear **Slope:** 6.0 % / 3.4 °

Subregion (LRR or MLRA): LRR K **Lat.:** 45.9268415310 **Long.:** -89.1881792967 **Datum:** WGS84

Soil Map Unit Name: Rubicon sand; 0 to 6 percent slopes **NWI classification:**

Are climatic/hydrologic conditions on the site typical for this time of year? Yes ○ No ◉ **(If no, explain in Remarks.)**

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **significantly disturbed?** **Are "Normal Circumstances" present?** Yes ◉ No ○

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **naturally problematic?** **(If needed, explain any answers in Remarks.)**

Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ◉ No ○	**Is the Sampled Area within a Wetland?**	Yes ○ No ◉
Hydric Soil Present?	Yes ○ No ◉		
Wetland Hydrology Present?	Yes ○ No ◉		

Remarks: (Explain alternative procedures here or in a separate report.)

No recent disturbances were observed and the area was considered to have normal circumstances.

Hydrology

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15)
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of 2 required)

- ☐ Surface Soil Cracks (B6)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Stunted or Stressed Plants (D1)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ Microtopographic Relief (D4)
- ☐ FAC-neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ○ No ◉	Depth (inches):	
Water Table Present?	Yes ○ No ◉	Depth (inches):	
Saturation Present? (includes capillary fringe)	Yes ○ No ◉	Depth (inches):	**Wetland Hydrology Present?** Yes ○ No ◉

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

The APT summarized data from local weather stations and determined climatic conditions were wetter than normal for the time of the site visit. This sample plot does not meet wetland hydrology criteria.

VEGETATION - Use scientific names of plants.

Sampling Point: Up 1-2

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Acer rubrum*	75	☑	FAC
2. *Pinus strobus*	25	☑	FACU
3. *Abies balsamea*	5	☐	FAC
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
	105	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15' radius)			
1. *Acer rubrum*	5	☑	FAC
2. *Abies balsamea*	2	☑	FAC
3.	0	☐	
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
	7	= Total Cover	
Herb Stratum (Plot size: 5' radius)			
1. *Lycopodium clavatum*	30	☑	FAC
2. *Pteridium aquilinum*	15	☑	FACU
3. *Carex pensylvanica*	15	☑	UPL
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
8.	0	☐	
9.	0	☐	
10.	0	☐	
11.	0	☐	
12.	0	☐	
	60	= Total Cover	
Woody Vine Stratum (Plot size: 30' radius)			
1.	0	☐	
2.	0	☐	
3.	0	☐	
4.	0	☐	
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That are OBL, FACW, or FAC: 4 (A)

Total Number of Dominant Species Across All Strata: 7 (B)

Percent of dominant Species That Are OBL, FACW, or FAC: 57.1% (A/B)

Prevalence Index worksheet:

	Total % Cover of:	Multiply by:		
OBL species	0	x 1 =	0	
FACW species	0	x 2 =	0	
FAC species	117	x 3 =	351	
FACU species	40	x 4 =	160	
UPL species	15	x 5 =	75	
Column Totals:	172	(A)	586	(B)

Prevalence Index = B/A = 3.407

Hydrophytic Vegetation Indicators:

- ☐ **Rapid Test for Hydrophytic Vegetation**
- ☑ **Dominance Test is > 50%**
- ☐ **Prevalence Index is ≤3.0** [1]
- ☐ **Morphological Adaptations** [1] **(Provide supporting data in Remarks or on a separate sheet)**
- ☐ **Problematic Hydrophytic Vegetation** [1] **(Explain)**

[1] **Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.**

Definitions of Vegetation Strata:

Tree - Woody plants, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1m) tall..

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine - All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? **Yes** ◉ **No** ○

Remarks: (Include photo numbers here or on a separate sheet.)

Vegetation meets wetland criteria due to FAC species but soils are not hydric, no hydrology indicators were observed and topographic position was indicative of upland.

*Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil

Sampling Point: Up 1-2

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)		%	Redox Features Color (moist)		%	Type [1]	Loc[2]	Texture	Remarks
0-1	7.5YR	3/1	100	-	-	-	-	-	Sandy Loam	
1-2	7.5YR	5/2	100	-	-	-	-	-	Sandy Loam	E Horizon
2-20	7.5YR	4/4	100	-	-	-	-	-	Loamy Sand	

[1] Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains [2] Location: PL=Pore Lining. M=Matrix

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Muck Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) (LRR R, MLRA 149B)
- ☐ Polyvalue Below Surface (S8) (LRR R, MLRA 149B)
- ☐ Thin Dark Surface (S9) (LRR R, MLRA 149B)
- ☐ Loamy Mucky Mineral (F1) LRR K, L)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils : [3]

- ☐ 2 cm Muck (A10) (LRR K, L, MLRA 149B)
- ☐ Coast Prairie Redox (A16) (LRR K, L, R)
- ☐ 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
- ☐ Dark Surface (S7) (LRR K, L, M)
- ☐ Polyvalue Below Surface (S8) (LRR K, L)
- ☐ Thin Dark Surface (S9) (LRR K, L)
- ☐ Iron-Manganese Masses (F12) (LRR K, L, R)
- ☐ Piedmont Floodplain Soils (F19) (MLRA 149B)
- ☐ Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
- ☐ Red Parent Material (F21)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ○ No ◉

Remarks:

Soils do not meet hydric soil criteria.

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Lake Forest Condominiums **City/County:** Town of Washington, Vilas Co. **Sampling Date:** 19-May-23

Applicant/Owner: Dalmark Development Group, LLC **State:** WI **Sampling Point:** **Wet 2-1**

Investigator(s): Ann Key, WDNR Prof. Assured **Section, Township, Range: S.** 24 **T.** T40N **R.** 10E

Landform (hillslope, terrace, etc.): Toeslope **Local relief (concave, convex, none):** concave **Slope:** 0.0 % / 0.0 °

Subregion (LRR or MLRA): LRR K **Lat.:** 45.9284663043 **Long.:** -89.1858868981 **Datum:** WGS84

Soil Map Unit Name: Gaastra silt loam; 0 to 2 percent slopes **NWI classification:**

Are climatic/hydrologic conditions on the site typical for this time of year? Yes ○ No ◉ **(If no, explain in Remarks.)**

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **significantly disturbed?** **Are "Normal Circumstances" present?** Yes ◉ No ○

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **naturally problematic?** **(If needed, explain any answers in Remarks.)**

Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ◉ No ○	**Is the Sampled Area within a Wetland?**	Yes ◉ No ○
Hydric Soil Present?	Yes ◉ No ○		
Wetland Hydrology Present?	Yes ◉ No ○		

Remarks: (Explain alternative procedures here or in a separate report.)

No recent disturbances were observed and the area was considered to have normal circumstances. This wetland is classified as a Wooded Swamp community.

Hydrology

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☑ Surface Water (A1)
- ☑ High Water Table (A2)
- ☑ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☑ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15)
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of 2 required)

- ☐ Surface Soil Cracks (B6)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Stunted or Stressed Plants (D1)
- ☑ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ Microtopographic Relief (D4)
- ☑ FAC-neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ◉ No ○	Depth (inches):	1
Water Table Present?	Yes ◉ No ○	Depth (inches):	0
Saturation Present? (includes capillary fringe)	Yes ◉ No ○	Depth (inches):	0

Wetland Hydrology Present? Yes ◉ No ○

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

The APT summarized data from local weather stations and determined climatic conditions were wetter than normal for the time of the site visit. This sample plot meets wetland hydrology criteria.

VEGETATION - Use scientific names of plants.

Sampling Point: Wet 2-1

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Larix laricina*	25	☑	FACW
2. *Acer rubrum*	25	☑	FAC
3. *Picea mariana*	15	☑	FACW
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
	65	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15' radius)			
1. *Pinus strobus*	5	☑	FACU
2. *Picea mariana*	5	☑	FACW
3. *Abies balsamea*	5	☑	FAC
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
	15	= Total Cover	
Herb Stratum (Plot size: 5' radius)			
1. *Sphagnum magellanicum*	90	☑	OBL
2. *Osmunda cinnamomea*	30	☑	FACW
3. *Iris versicolor*	25	☐	OBL
4. *Ledum groenlandicum*	15	☐	OBL
5. *Carex bromoides*	15	☐	FACW
6. *Carex brunnescens*	10	☐	FACW
7. *Calamagrostis canadensis*	5	☐	OBL
8.	0	☐	
9.	0	☐	
10.	0	☐	
11.	0	☐	
12.	0	☐	
	190	= Total Cover	
Woody Vine Stratum (Plot size: 30' radius)			
1.	0	☐	
2.	0	☐	
3.	0	☐	
4.	0	☐	
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That are OBL, FACW, or FAC: 7 (A)

Total Number of Dominant Species Across All Strata: 8 (B)

Percent of dominant Species That Are OBL, FACW, or FAC: 87.5% (A/B)

Prevalence Index worksheet:

	Total % Cover of:	Multiply by:	
OBL species	135	x 1 =	135
FACW species	100	x 2 =	200
FAC species	30	x 3 =	90
FACU species	5	x 4 =	20
UPL species	0	x 5 =	0
Column Totals:	270 (A)		445 (B)

Prevalence Index = B/A = 1.648

Hydrophytic Vegetation Indicators:

- ☐ **Rapid Test for Hydrophytic Vegetation**
- ☑ **Dominance Test is > 50%**
- ☑ **Prevalence Index is ≤3.0** [1]
- ☐ **Morphological Adaptations** [1] **(Provide supporting data in Remarks or on a separate sheet)**
- ☐ **Problematic Hydrophytic Vegetation** [1] **(Explain)**

[1] **Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.**

Definitions of Vegetation Strata:

Tree - Woody plants, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1m) tall..

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine - All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ◉ No ○

Remarks: (Include photo numbers here or on a separate sheet.)

Vegetation meets wetland criteria.

*Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil

Sampling Point: Wet 2-1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)		%	Redox Features Color (moist)	%	Type [1]	Loc[2]	Texture	Remarks
0-6	10YR	4/4	100	-	-	-	-	Peaty Muck	
6-20	10YR	2/1	100	-	-	-	-	Muck	

[1] Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains [2] Location: PL=Pore Lining. M=Matrix

Hydric Soil Indicators:

- [x] Histosol (A1)
- [ ] Histic Epipedon (A2)
- [ ] Black Histic (A3)
- [ ] Hydrogen Sulfide (A4)
- [ ] Stratified Layers (A5)
- [ ] Depleted Below Dark Surface (A11)
- [ ] Thick Dark Surface (A12)
- [ ] Sandy Muck Mineral (S1)
- [ ] Sandy Gleyed Matrix (S4)
- [ ] Sandy Redox (S5)
- [ ] Stripped Matrix (S6)
- [ ] Dark Surface (S7) (LRR R, MLRA 149B)
- [ ] Polyvalue Below Surface (S8) (LRR R, MLRA 149B)
- [ ] Thin Dark Surface (S9) (LRR R, MLRA 149B)
- [ ] Loamy Mucky Mineral (F1) LRR K, L)
- [ ] Loamy Gleyed Matrix (F2)
- [ ] Depleted Matrix (F3)
- [ ] Redox Dark Surface (F6)
- [ ] Depleted Dark Surface (F7)
- [ ] Redox Depressions (F8)

Indicators for Problematic Hydric Soils : [3]

- [ ] 2 cm Muck (A10) (LRR K, L, MLRA 149B)
- [ ] Coast Prairie Redox (A16) (LRR K, L, R)
- [ ] 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
- [ ] Dark Surface (S7) (LRR K, L, M)
- [ ] Polyvalue Below Surface (S8) (LRR K, L)
- [ ] Thin Dark Surface (S9) (LRR K, L)
- [ ] Iron-Manganese Masses (F12) (LRR K, L, R)
- [ ] Piedmont Floodplain Soils (F19) (MLRA 149B)
- [ ] Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
- [ ] Red Parent Material (F21)
- [ ] Very Shallow Dark Surface (TF12)
- [ ] Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes (●) No ( )

Remarks:

Soils meet hydric soil criteria.

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Lake Forest Condominiums **City/County:** Town of Washington, Vilas Co. **Sampling Date:** 19-May-23

Applicant/Owner: Dalmark Development Group, LLC **State:** WI **Sampling Point:** Up 2-1

Investigator(s): Ann Key, WDNR Prof. Assured **Section, Township, Range: S.** 24 **T.** T40N **R.** 10E

Landform (hillslope, terrace, etc.): Sideslope **Local relief (concave, convex, none):** linear **Slope:** 4.0 % / 2.3 °

Subregion (LRR or MLRA): LRR K **Lat.:** 45.9285662589 **Long.:** -89.1858221882 **Datum:** WGS84

Soil Map Unit Name: Gaastra silt loam; 0 to 2 percent slopes **NWI classification:**

Are climatic/hydrologic conditions on the site typical for this time of year? Yes ○ No ◉ **(If no, explain in Remarks.)**

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **significantly disturbed?** **Are "Normal Circumstances" present?** Yes ◉ No ○

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **naturally problematic?** **(If needed, explain any answers in Remarks.)**

Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ○ No ◉	**Is the Sampled Area within a Wetland?**	Yes ○ No ◉
Hydric Soil Present?	Yes ○ No ◉		
Wetland Hydrology Present?	Yes ○ No ◉		

Remarks: (Explain alternative procedures here or in a separate report.)

No recent disturbances were observed and the area was considered to have normal circumstances.

Hydrology

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15)
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of 2 required)

- ☐ Surface Soil Cracks (B6)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Stunted or Stressed Plants (D1)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ Microtopographic Relief (D4)
- ☐ FAC-neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ○ No ◉	Depth (inches):	
Water Table Present?	Yes ○ No ◉	Depth (inches):	
Saturation Present? (includes capillary fringe)	Yes ○ No ◉	Depth (inches):	**Wetland Hydrology Present?** Yes ○ No ◉

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

The APT summarized data from local weather stations and determined climatic conditions were wetter than normal for the time of the site visit. This sample plot does not meet wetland hydrology criteria.

VEGETATION - Use scientific names of plants.

Sampling Point: Up 2-1

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Abies balsamea*	50	☑	FAC
2. *Pinus strobus*	15	☑	FACU
3.	0	☐	
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
	65	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15' radius)			
1. *Abies balsamea*	5	☑	FAC
2.	0	☐	
3.	0	☐	
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
	5	= Total Cover	
Herb Stratum (Plot size: 5' radius)			
1. *Pteridium aquilinum*	35	☑	FACU
2. *Dichanthelium xanthophysum*	10	☑	UPL
3. *Abies balsamea*	10	☑	FAC
4. *Dendrolycopodium obscurum*	10	☑	FACU
5. *Lycopodium clavatum*	10	☑	FAC
6. *Maianthemum canadense*	5	☐	FACU
7. *Pinus strobus*	5	☐	FACU
8.	0	☐	
9.	0	☐	
10.	0	☐	
11.	0	☐	
12.	0	☐	
	85	= Total Cover	
Woody Vine Stratum (Plot size: 30' radius)			
1.	0	☐	
2.	0	☐	
3.	0	☐	
4.	0	☐	
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That are OBL, FACW, or FAC: 4 (A)

Total Number of Dominant Species Across All Strata: 8 (B)

Percent of dominant Species That Are OBL, FACW, or FAC: 50.0% (A/B)

Prevalence Index worksheet:

	Total % Cover of:	Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	75	x 3 =	225
FACU species	70	x 4 =	280
UPL species	10	x 5 =	50
Column Totals:	155 (A)		555 (B)

Prevalence Index = B/A = 3.581

Hydrophytic Vegetation Indicators:

- ☐ **Rapid Test for Hydrophytic Vegetation**
- ☐ **Dominance Test is > 50%**
- ☐ **Prevalence Index is ≤3.0** [1]
- ☐ **Morphological Adaptations** [1] **(Provide supporting data in Remarks or on a separate sheet)**
- ☐ **Problematic Hydrophytic Vegetation** [1] **(Explain)**

[1] **Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.**

Definitions of Vegetation Strata:

Tree - Woody plants, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1m) tall..

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine - All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ○ No ◉

Remarks: (Include photo numbers here or on a separate sheet.)

Vegetation does not meet wetland criteria.

*Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil

Sampling Point: Up 2-1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)		%	Redox Features Color (moist)		%	Type [1]	Loc[2]	Texture	Remarks
0-3	7.5YR	3/1	100	-	-	-	-	-	VF Sandy Loam	
3-4	7.5YR	5/2	100	-	-	-	-	-	VF Sandy Loam	E Horizon
4-10	7.5YR	4/4	100	-	-	-	-	-	Sandy Loam	
10-20	7.5YR	5/4	100	-	-	-	-	-	Sandy Loam	

[1]Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains [2]Location: PL=Pore Lining. M=Matrix

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Muck Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) (LRR R, MLRA 149B)
- ☐ Polyvalue Below Surface (S8) (LRR R, MLRA 149B)
- ☐ Thin Dark Surface (S9) (LRR R, MLRA 149B)
- ☐ Loamy Mucky Mineral (F1) LRR K, L)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils : [3]

- ☐ 2 cm Muck (A10) (LRR K, L, MLRA 149B)
- ☐ Coast Prairie Redox (A16) (LRR K, L, R)
- ☐ 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
- ☐ Dark Surface (S7) (LRR K, L, M)
- ☐ Polyvalue Below Surface (S8) (LRR K, L)
- ☐ Thin Dark Surface (S9) (LRR K, L)
- ☐ Iron-Manganese Masses (F12) (LRR K, L, R)
- ☐ Piedmont Floodplain Soils (F19) (MLRA 149B)
- ☐ Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
- ☐ Red Parent Material (F21)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ○ No ◉

Remarks:

Soils do not meet hydric soil criteria.

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Lake Forest Condominiums **City/County:** Town of Washington, Vilas Co. **Sampling Date:** 19-May-23

Applicant/Owner: Dalmark Development Group, LLC **State:** WI **Sampling Point:** Wet 2-2

Investigator(s): Ann Key, WDNR Prof. Assured **Section, Township, Range: S.** 24 **T.** T40N **R.** 10E

Landform (hillslope, terrace, etc.): Toeslope **Local relief (concave, convex, none):** concave **Slope:** 0.0 % / 0.0 °

Subregion (LRR or MLRA): LRR K **Lat.:** 45.9296596230 **Long.:** -89.1850387058 **Datum:** WGS84

Soil Map Unit Name: Gaastra silt loam; 0 to 2 percent slopes **NWI classification:** PFO7

Are climatic/hydrologic conditions on the site typical for this time of year? Yes ○ No ◉ **(If no, explain in Remarks.)**

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **significantly disturbed?** **Are "Normal Circumstances" present?** Yes ◉ No ○

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **naturally problematic?** **(If needed, explain any answers in Remarks.)**

Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ◉ No ○	**Is the Sampled Area within a Wetland?**	Yes ◉ No ○
Hydric Soil Present?	Yes ◉ No ○		
Wetland Hydrology Present?	Yes ◉ No ○		

Remarks: (Explain alternative procedures here or in a separate report.)

No recent disturbances were observed and the area was considered to have normal circumstances. This wetland is classified as a Wooded Swamp community.

Hydrology

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☑ High Water Table (A2)
- ☑ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☑ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15)
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of 2 required)

- ☐ Surface Soil Cracks (B6)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Stunted or Stressed Plants (D1)
- ☑ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ Microtopographic Relief (D4)
- ☑ FAC-neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ○ No ◉	Depth (inches):	
Water Table Present?	Yes ◉ No ○	Depth (inches):	-2
Saturation Present? (includes capillary fringe)	Yes ◉ No ○	Depth (inches):	0

Wetland Hydrology Present? Yes ◉ No ○

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

The APT summarized data from local weather stations and determined climatic conditions were wetter than normal for the time of the site visit. This sample plot meets wetland hydrology criteria.

VEGETATION - Use scientific names of plants.

Sampling Point: Wet 2-2

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Picea mariana*	60	☑	FACW
2. *Acer rubrum*	15	☐	FAC
3. *Betula alleghaniensis*	15	☐	FAC
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
	90	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15' radius)			
1. *Abies balsamea*	10	☑	FAC
2.	0	☐	
3.	0	☐	
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
	10	= Total Cover	
Herb Stratum (Plot size: 5' radius)			
1. *Sphagnum magellanicum*	80	☑	OBL
2. *Carex disperma*	30	☑	OBL
3. *Osmunda cinnamomea*	10	☐	FACW
4. *Coptis trifolia*	10	☐	FACW
5. *Trientalis borealis*	5	☐	FAC
6.	0	☐	
7.	0	☐	
8.	0	☐	
9.	0	☐	
10.	0	☐	
11.	0	☐	
12.	0	☐	
	135	= Total Cover	
Woody Vine Stratum (Plot size: 30' radius)			
1.	0	☐	
2.	0	☐	
3.	0	☐	
4.	0	☐	
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That are OBL, FACW, or FAC: 4 (A)

Total Number of Dominant Species Across All Strata: 4 (B)

Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:		
OBL species	110	x 1 =	110	
FACW species	80	x 2 =	160	
FAC species	45	x 3 =	135	
FACU species	0	x 4 =	0	
UPL species	0	x 5 =	0	
Column Totals:	235	(A)	405	(B)

Prevalence Index = B/A = 1.723

Hydrophytic Vegetation Indicators:

- ☐ **Rapid Test for Hydrophytic Vegetation**
- ☑ **Dominance Test is > 50%**
- ☑ **Prevalence Index is ≤3.0** [1]
- ☐ **Morphological Adaptations** [1] **(Provide supporting data in Remarks or on a separate sheet)**
- ☐ **Problematic Hydrophytic Vegetation** [1] **(Explain)**

[1] **Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.**

Definitions of Vegetation Strata:

Tree - Woody plants, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1m) tall..

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine - All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? **Yes** ◉ **No** ○

Remarks: (Include photo numbers here or on a separate sheet.)

Vegetation meets wetland criteria.

*Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil

Sampling Point: Wet 2-2

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)		%	Redox Features Color (moist)		%	Type [1]	Loc[2]	Texture	Remarks
0-4	10YR	2/1	100	-	-	-	-	-	Muck	
4-8	10YR	5/2	90	10YR	4/3	10	C	M	Sandy Loam	
8-20	10YR	5/3	60	7.5YR	4/6	40	C	M	Loamy Sand	

[1]Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains [2]Location: PL=Pore Lining. M=Matrix

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Muck Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) (LRR R, MLRA 149B)
- ☐ Polyvalue Below Surface (S8) (LRR R, MLRA 149B)
- ☐ Thin Dark Surface (S9) (LRR R, MLRA 149B)
- ☐ Loamy Mucky Mineral (F1) LRR K, L)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils : [3]

- ☑ 2 cm Muck (A10) (LRR K, L, MLRA 149B)
- ☐ Coast Prairie Redox (A16) (LRR K, L, R)
- ☐ 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
- ☐ Dark Surface (S7) (LRR K, L, M)
- ☐ Polyvalue Below Surface (S8) (LRR K, L)
- ☐ Thin Dark Surface (S9) (LRR K, L)
- ☐ Iron-Manganese Masses (F12) (LRR K, L, R)
- ☐ Piedmont Floodplain Soils (F19) (MLRA 149B)
- ☐ Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
- ☐ Red Parent Material (F21)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ◉ No ○

Remarks:

Soils are considered problematic but meet the A10 indicator for hydric soil criteria.

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Lake Forest Condominiums **City/County:** Town of Washington, Vilas Co. **Sampling Date:** 19-May-23

Applicant/Owner: Dalmark Development Group, LLC **State:** WI **Sampling Point:** Up 2-2

Investigator(s): Ann Key, WDNR Prof. Assured **Section, Township, Range: S.** 24 **T.** T40N **R.** 10E

Landform (hillslope, terrace, etc.): Sideslope **Local relief (concave, convex, none):** linear **Slope:** 4.0 % / 2.3 °

Subregion (LRR or MLRA): LRR K **Lat.:** 45.9297234462 **Long.:** -89.1851665342 **Datum:** WGS84

Soil Map Unit Name: Gaastra silt loam; 0 to 2 percent slopes **NWI classification:**

Are climatic/hydrologic conditions on the site typical for this time of year? Yes ○ No ◉ **(If no, explain in Remarks.)**

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **significantly disturbed?** **Are "Normal Circumstances" present?** Yes ◉ No ○

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **naturally problematic?** **(If needed, explain any answers in Remarks.)**

Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ○ No ◉	**Is the Sampled Area within a Wetland?**	Yes ○ No ◉
Hydric Soil Present?	Yes ○ No ◉		
Wetland Hydrology Present?	Yes ○ No ◉		

Remarks: (Explain alternative procedures here or in a separate report.)

No recent disturbances were observed and the area was considered to have normal circumstances.

Hydrology

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15)
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of 2 required)

- ☐ Surface Soil Cracks (B6)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Stunted or Stressed Plants (D1)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ Microtopographic Relief (D4)
- ☐ FAC-neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ○ No ◉	Depth (inches):	
Water Table Present?	Yes ○ No ◉	Depth (inches):	
Saturation Present? (includes capillary fringe)	Yes ○ No ◉	Depth (inches):	**Wetland Hydrology Present?** Yes ○ No ◉

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

The APT summarized data from local weather stations and determined climatic conditions were wetter than normal for the time of the site visit. This sample plot does not meet wetland hydrology criteria.

VEGETATION - Use scientific names of plants.

Sampling Point: Up 2-2

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Acer rubrum*	60	☑	FAC
2. *Pinus strobus*	20	☑	FACU
3.	0	☐	
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
	80	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15' radius)			
1. *Abies balsamea*	10	☑	FAC
2.	0	☐	
3.	0	☐	
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
	10	= Total Cover	
Herb Stratum (Plot size: 5' radius)			
1. *Vaccinium angustifolium*	10	☑	FACU
2. *Dendrolycopodium obscurum*	5	☑	FACU
3. *Pteridium aquilinum*	3	☐	FACU
4. *Trientalis borealis*	2	☐	FAC
5.	0	☐	
6.	0	☐	
7.	0	☐	
8.	0	☐	
9.	0	☐	
10.	0	☐	
11.	0	☐	
12.	0	☐	
	20	= Total Cover	
Woody Vine Stratum (Plot size: 30' radius)			
1.	0	☐	
2.	0	☐	
3.	0	☐	
4.	0	☐	
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 5 (B)

Percent of dominant Species That Are OBL, FACW, or FAC: 40.0% (A/B)

Prevalence Index worksheet:

	Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0	
FACW species	0	x 2 =	0	
FAC species	72	x 3 =	216	
FACU species	38	x 4 =	152	
UPL species	0	x 5 =	0	
Column Totals:	110	(A)	368	(B)

Prevalence Index = B/A = 3.345

Hydrophytic Vegetation Indicators:

- ☐ **Rapid Test for Hydrophytic Vegetation**
- ☐ **Dominance Test is > 50%**
- ☐ **Prevalence Index is ≤3.0** [1]
- ☐ **Morphological Adaptations** [1] **(Provide supporting data in Remarks or on a separate sheet)**
- ☐ **Problematic Hydrophytic Vegetation** [1] **(Explain)**

[1] **Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.**

Definitions of Vegetation Strata:

Tree - Woody plants, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1m) tall..

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine - All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ○ No ◉

Remarks: (Include photo numbers here or on a separate sheet.)

Vegetation does not meet wetland criteria.

*Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil

Sampling Point: Up 2-2

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)		%	Redox Features Color (moist)		%	Type [1]	Loc[2]	Texture	Remarks
0-2	7.5YR	3/1	100	-	-	-	-	-	Sandy Loam	
2-4	7.5YR	5/2	100	-	-	-	-	-	Loamy Sand	E Horizon
4-20	7.5YR	4/4	100	-	-	-	-	-	Loamy Sand	

[1]Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains [2]Location: PL=Pore Lining. M=Matrix

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Muck Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) (LRR R, MLRA 149B)
- ☐ Polyvalue Below Surface (S8) (LRR R, MLRA 149B)
- ☐ Thin Dark Surface (S9) (LRR R, MLRA 149B)
- ☐ Loamy Mucky Mineral (F1) LRR K, L)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils : [3]

- ☐ 2 cm Muck (A10) (LRR K, L, MLRA 149B)
- ☐ Coast Prairie Redox (A16) (LRR K, L, R)
- ☐ 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
- ☐ Dark Surface (S7) (LRR K, L, M)
- ☐ Polyvalue Below Surface (S8) (LRR K, L)
- ☐ Thin Dark Surface (S9) (LRR K, L)
- ☐ Iron-Manganese Masses (F12) (LRR K, L, R)
- ☐ Piedmont Floodplain Soils (F19) (MLRA 149B)
- ☐ Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
- ☐ Red Parent Material (F21)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ○ No ◉

Remarks:

Soils do not meet hydric soil criteria.

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Lake Forest Condominiums **City/County:** Town of Washington, Vilas Co. **Sampling Date:** 19-May-23

Applicant/Owner: Dalmark Development Group, LLC **State:** WI **Sampling Point:** **Wet 2-3**

Investigator(s): Ann Key, WDNR Prof. Assured **Section, Township, Range: S.** 24 **T.** T40N **R.** 10E

Landform (hillslope, terrace, etc.): Toeslope **Local relief (concave, convex, none):** concave **Slope:** 0.0 % / 0.0 °

Subregion (LRR or MLRA): LRR K **Lat.:** 45.9300785436 **Long.:** -89.1830868770 **Datum:** WGS84

Soil Map Unit Name: Gaastra silt loam; 0 to 2 percent slopes **NWI classification:**

Are climatic/hydrologic conditions on the site typical for this time of year? Yes ○ No ◉ **(If no, explain in Remarks.)**

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **significantly disturbed?** **Are "Normal Circumstances" present?** Yes ◉ No ○

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **naturally problematic?** **(If needed, explain any answers in Remarks.)**

Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ◉ No ○	**Is the Sampled Area within a Wetland?**	Yes ◉ No ○
Hydric Soil Present?	Yes ◉ No ○		
Wetland Hydrology Present?	Yes ◉ No ○		

Remarks: (Explain alternative procedures here or in a separate report.)

No recent disturbances were observed and the area was considered to have normal circumstances. This wetland is classified as a Wooded Swamp community.

Hydrology

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☑ High Water Table (A2)
- ☑ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☑ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15)
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of 2 required)

- ☐ Surface Soil Cracks (B6)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Stunted or Stressed Plants (D1)
- ☑ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ Microtopographic Relief (D4)
- ☑ FAC-neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ○ No ◉	Depth (inches):	
Water Table Present?	Yes ◉ No ○	Depth (inches):	-5
Saturation Present? (includes capillary fringe)	Yes ◉ No ○	Depth (inches):	0

Wetland Hydrology Present? Yes ◉ No ○

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

The APT summarized data from local weather stations and determined climatic conditions were wetter than normal for the time of the site visit. This sample plot meets wetland hydrology criteria.

VEGETATION - Use scientific names of plants.

Sampling Point: Wet 2-3

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Acer rubrum*	50	☑	FAC
2. *Abies balsamea*	30	☑	FAC
3. *Prunus serotina*	10	☐	FACU
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
	90	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15' radius)			
1. *Tsuga canadensis*	5	☑	FACU
2.	0	☐	
3.	0	☐	
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
	5	= Total Cover	
Herb Stratum (Plot size: 5' radius)			
1. *Dryopteris carthusiana*	30	☑	FACW
2. *Coptis trifolia*	15	☑	FACW
3. *Carex bromoides*	15	☑	FACW
4. *Trientalis borealis*	5	☐	FAC
5.	0	☐	
6.	0	☐	
7.	0	☐	
8.	0	☐	
9.	0	☐	
10.	0	☐	
11.	0	☐	
12.	0	☐	
	65	= Total Cover	
Woody Vine Stratum (Plot size: 30' radius)			
1.	0	☐	
2.	0	☐	
3.	0	☐	
4.	0	☐	
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That are OBL, FACW, or FAC: 5 (A)

Total Number of Dominant Species Across All Strata: 6 (B)

Percent of dominant Species That Are OBL, FACW, or FAC: 83.3% (A/B)

Prevalence Index worksheet:

	Total % Cover of:	Multiply by:		
OBL species	0	x 1 =	0	
FACW species	60	x 2 =	120	
FAC species	85	x 3 =	255	
FACU species	15	x 4 =	60	
UPL species	0	x 5 =	0	
Column Totals:	160	(A)	435	(B)

Prevalence Index = B/A = 2.719

Hydrophytic Vegetation Indicators:

- ☐ **Rapid Test for Hydrophytic Vegetation**
- ☑ **Dominance Test is > 50%**
- ☑ **Prevalence Index is ≤3.0** [1]
- ☐ **Morphological Adaptations** [1] **(Provide supporting data in Remarks or on a separate sheet)**
- ☐ **Problematic Hydrophytic Vegetation** [1] **(Explain)**

[1] **Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.**

Definitions of Vegetation Strata:

Tree - Woody plants, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1m) tall..

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine - All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? **Yes** ◉ **No** ○

Remarks: (Include photo numbers here or on a separate sheet.)

Vegetation meets wetland criteria.

*Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil

Sampling Point: Wet 2-3

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)		%	Redox Features Color (moist)		%	Type [1]	Loc[2]	Texture	Remarks
0-2	7.5YR	2.5/3	100	-	-	-	-	-	Mucky Peat	
2-4	7.5YR	2.5/1	100	-	-	-	-	-	Muck	
4-10	7.5YR	5/1	90	7.5YR	4/4	10	C	M	Sandy Loam	
10-20	7.5YR	5/4	100	-	-	-	-	-	Sandy Loam	

[1]Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains [2]Location: PL=Pore Lining. M=Matrix

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☑ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Muck Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) (LRR R, MLRA 149B)
- ☐ Polyvalue Below Surface (S8) (LRR R, MLRA 149B)
- ☐ Thin Dark Surface (S9) (LRR R, MLRA 149B)
- ☐ Loamy Mucky Mineral (F1) LRR K, L)
- ☐ Loamy Gleyed Matrix (F2)
- ☑ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils : [3]

- ☐ 2 cm Muck (A10) (LRR K, L, MLRA 149B)
- ☐ Coast Prairie Redox (A16) (LRR K, L, R)
- ☐ 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
- ☐ Dark Surface (S7) (LRR K, L, M)
- ☐ Polyvalue Below Surface (S8) (LRR K, L)
- ☐ Thin Dark Surface (S9) (LRR K, L)
- ☐ Iron-Manganese Masses (F12) (LRR K, L, R)
- ☐ Piedmont Floodplain Soils (F19) (MLRA 149B)
- ☐ Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
- ☐ Red Parent Material (F21)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ◉ No ○

Remarks:

Soils meet hydric soil criteria.

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Lake Forest Condominiums **City/County:** Town of Washington, Vilas Co. **Sampling Date:** 19-May-23

Applicant/Owner: Dalmark Development Group, LLC **State:** WI **Sampling Point:** Up 2-3

Investigator(s): Ann Key, WDNR Prof. Assured **Section, Township, Range: S.** 24 **T.** T40N **R.** 10E

Landform (hillslope, terrace, etc.): Sideslope **Local relief (concave, convex, none):** linear **Slope:** 5.0 % / 2.9 °

Subregion (LRR or MLRA): LRR K **Lat.:** 45.9301746087 **Long.:** -89.1831627281 **Datum:** WGS84

Soil Map Unit Name: Au Gres loamy sand; 0 to 3 percent slopes **NWI classification:**

Are climatic/hydrologic conditions on the site typical for this time of year? Yes ○ No ◉ **(If no, explain in Remarks.)**

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **significantly disturbed?** **Are "Normal Circumstances" present?** Yes ◉ No ○

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **naturally problematic?** **(If needed, explain any answers in Remarks.)**

Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ○ No ◉	**Is the Sampled Area within a Wetland?**	Yes ○ No ◉
Hydric Soil Present?	Yes ○ No ◉		
Wetland Hydrology Present?	Yes ○ No ◉		

Remarks: (Explain alternative procedures here or in a separate report.)

No recent disturbances were observed and the area was considered to have normal circumstances.

Hydrology

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15)
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of 2 required)

- ☐ Surface Soil Cracks (B6)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Stunted or Stressed Plants (D1)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ Microtopographic Relief (D4)
- ☐ FAC-neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ○ No ◉	Depth (inches):	
Water Table Present?	Yes ○ No ◉	Depth (inches):	
Saturation Present? (includes capillary fringe)	Yes ○ No ◉	Depth (inches):	**Wetland Hydrology Present?** Yes ○ No ◉

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

The APT summarized data from local weather stations and determined climatic conditions were wetter than normal for the time of the site visit. This sample plot does not meet wetland hydrology criteria.

VEGETATION - Use scientific names of plants.

Sampling Point: Up 2-3

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Acer rubrum*	50	☑	FAC
2. *Prunus serotina*	10	☐	FACU
3.	0	☐	
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
	60	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15' radius)			
1.	0	☐	
2.	0	☐	
3.	0	☐	
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
	0	= Total Cover	
Herb Stratum (Plot size: 5' radius)			
1. *Trientalis borealis*	10	☑	FAC
2. *Pteridium aquilinum*	10	☑	FACU
3. *Dendrolycopodium obscurum*	5	☑	FACU
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
8.	0	☐	
9.	0	☐	
10.	0	☐	
11.	0	☐	
12.	0	☐	
	25	= Total Cover	
Woody Vine Stratum (Plot size: 30' radius)			
1.	0	☐	
2.	0	☐	
3.	0	☐	
4.	0	☐	
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 4 (B)

Percent of dominant Species That Are OBL, FACW, or FAC: 50.0% (A/B)

Prevalence Index worksheet:

	Total % Cover of:	Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	60	x 3 =	180
FACU species	25	x 4 =	100
UPL species	0	x 5 =	0
Column Totals:	85 (A)		280 (B)

Prevalence Index = B/A = 3.294

Hydrophytic Vegetation Indicators:

- ☐ **Rapid Test for Hydrophytic Vegetation**
- ☐ **Dominance Test is > 50%**
- ☐ **Prevalence Index is ≤3.0** [1]
- ☐ **Morphological Adaptations** [1] **(Provide supporting data in Remarks or on a separate sheet)**
- ☐ **Problematic Hydrophytic Vegetation** [1] **(Explain)**

[1] **Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.**

Definitions of Vegetation Strata:

Tree - Woody plants, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1m) tall..

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine - All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ○ No ◉

Remarks: (Include photo numbers here or on a separate sheet.)

Vegetation does not meet wetland criteria.

*Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil

Sampling Point: Up 2-3

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)		%	Redox Features Color (moist)		%	Type [1]	Loc[2]	Texture	Remarks
0-2	7.5YR	3/1	100	-	-	-	-	-	Sandy Loam	
2-4	7.5YR	5/2	100	-	-	-	-	-	Loamy Sand	E Horizon
4-8	7.5YR	4/4	100	-	-	-	-	-	Loamy Sand	
8-20	7.5YR	4/6	100	-	-	-	-	-	Loamy Sand	

[1]Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains [2]Location: PL=Pore Lining. M=Matrix

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Muck Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) (LRR R, MLRA 149B)
- ☐ Polyvalue Below Surface (S8) (LRR R, MLRA 149B)
- ☐ Thin Dark Surface (S9) (LRR R, MLRA 149B)
- ☐ Loamy Mucky Mineral (F1) LRR K, L)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils : [3]

- ☐ 2 cm Muck (A10) (LRR K, L, MLRA 149B)
- ☐ Coast Prairie Redox (A16) (LRR K, L, R)
- ☐ 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
- ☐ Dark Surface (S7) (LRR K, L, M)
- ☐ Polyvalue Below Surface (S8) (LRR K, L)
- ☐ Thin Dark Surface (S9) (LRR K, L)
- ☐ Iron-Manganese Masses (F12) (LRR K, L, R)
- ☐ Piedmont Floodplain Soils (F19) (MLRA 149B)
- ☐ Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
- ☐ Red Parent Material (F21)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ○ No ◉

Remarks:

Soils do not meet hydric soil criteria.

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Lake Forest Condominiums **City/County:** Town of Washington, Vilas Co. **Sampling Date:** 22-May-23

Applicant/Owner: Dalmark Development Group, LLC **State:** WI **Sampling Point:** **Wet 2-4**

Investigator(s): Ann Key, WDNR Prof. Assured **Section, Township, Range: S.** 24 **T.** T40N **R.** 10E

Landform (hillslope, terrace, etc.): Toeslope **Local relief (concave, convex, none):** concave **Slope:** 0.0 % / 0.0 °

Subregion (LRR or MLRA): LRR K **Lat.:** 45.9289483554 **Long.:** -89.1835335583 **Datum:** WGS84

Soil Map Unit Name: Gaastra silt loam; 0 to 2 percent slopes **NWI classification:** PFO7

Are climatic/hydrologic conditions on the site typical for this time of year? Yes ○ No ◉ **(If no, explain in Remarks.)**

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **significantly disturbed?** **Are "Normal Circumstances" present?** Yes ◉ No ○

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **naturally problematic?** **(If needed, explain any answers in Remarks.)**

Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ◉ No ○	**Is the Sampled Area within a Wetland?**	Yes ◉ No ○
Hydric Soil Present?	Yes ◉ No ○		
Wetland Hydrology Present?	Yes ◉ No ○		

Remarks: (Explain alternative procedures here or in a separate report.)

No recent disturbances were observed and the area was considered to have normal circumstances. This wetland is classified as a Wooded Swamp community.

Hydrology

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☑ Surface Water (A1)
- ☑ High Water Table (A2)
- ☑ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☑ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15)
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of 2 required)

- ☐ Surface Soil Cracks (B6)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Stunted or Stressed Plants (D1)
- ☑ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ Microtopographic Relief (D4)
- ☐ FAC-neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ◉ No ○	Depth (inches):	1
Water Table Present?	Yes ◉ No ○	Depth (inches):	0
Saturation Present? (includes capillary fringe)	Yes ◉ No ○	Depth (inches):	0

Wetland Hydrology Present? Yes ◉ No ○

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

The APT summarized data from local weather stations and determined climatic conditions were wetter than normal for the time of the site visit. This sample plot meets wetland hydrology criteria.

VEGETATION - Use scientific names of plants.

Sampling Point: Wet 2-4

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Tsuga canadensis*	40	☑	FACU
2. *Picea mariana*	30	☑	FACW
3.	0	☐	
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
	70	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15' radius)			
1. *Tsuga canadensis*	15	☑	FACU
2.	0	☐	
3.	0	☐	
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
	15	= Total Cover	
Herb Stratum (Plot size: 5' radius)			
1. *Sphagnum magellanicum*	90	☑	OBL
2. *Carex brunnescens*	10	☐	FACW
3. *Gaultheria hispidula*	5	☐	FACW
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
8.	0	☐	
9.	0	☐	
10.	0	☐	
11.	0	☐	
12.	0	☐	
	105	= Total Cover	
Woody Vine Stratum (Plot size: 30' radius)			
1.	0	☐	
2.	0	☐	
3.	0	☐	
4.	0	☐	
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 4 (B)

Percent of dominant Species That Are OBL, FACW, or FAC: 50.0% (A/B)

Prevalence Index worksheet:

	Total % Cover of:	Multiply by:		
OBL species	90	x 1 =	90	
FACW species	45	x 2 =	90	
FAC species	0	x 3 =	0	
FACU species	55	x 4 =	220	
UPL species	0	x 5 =	0	
Column Totals:	190	(A)	400	(B)

Prevalence Index = B/A = 2.105

Hydrophytic Vegetation Indicators:

- ☐ **Rapid Test for Hydrophytic Vegetation**
- ☐ **Dominance Test is > 50%**
- ☑ **Prevalence Index is ≤3.0** [1]
- ☐ **Morphological Adaptations** [1] **(Provide supporting data in Remarks or on a separate sheet)**
- ☐ **Problematic Hydrophytic Vegetation** [1] **(Explain)**

[1] **Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.**

Definitions of Vegetation Strata:

Tree - Woody plants, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1m) tall..

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine - All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? **Yes** ◉ **No** ○

Remarks: (Include photo numbers here or on a separate sheet.)

Vegetation meets wetland criteria.

*Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil

Sampling Point: Wet 2-4

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)		%	Redox Features Color (moist)	%	Type [1]	Loc[2]	Texture	Remarks
0-20	10YR	2/1	100	-	-	-	-	Muck	

[1]Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains [2]Location: PL=Pore Lining. M=Matrix

Hydric Soil Indicators:

- [x] Histosol (A1)
- [ ] Histic Epipedon (A2)
- [ ] Black Histic (A3)
- [ ] Hydrogen Sulfide (A4)
- [ ] Stratified Layers (A5)
- [ ] Depleted Below Dark Surface (A11)
- [ ] Thick Dark Surface (A12)
- [ ] Sandy Muck Mineral (S1)
- [ ] Sandy Gleyed Matrix (S4)
- [ ] Sandy Redox (S5)
- [ ] Stripped Matrix (S6)
- [ ] Dark Surface (S7) (LRR R, MLRA 149B)
- [ ] Polyvalue Below Surface (S8) (LRR R, MLRA 149B)
- [ ] Thin Dark Surface (S9) (LRR R, MLRA 149B)
- [ ] Loamy Mucky Mineral (F1) LRR K, L)
- [ ] Loamy Gleyed Matrix (F2)
- [ ] Depleted Matrix (F3)
- [ ] Redox Dark Surface (F6)
- [ ] Depleted Dark Surface (F7)
- [ ] Redox Depressions (F8)

Indicators for Problematic Hydric Soils : [3]

- [ ] 2 cm Muck (A10) (LRR K, L, MLRA 149B)
- [ ] Coast Prairie Redox (A16) (LRR K, L, R)
- [ ] 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
- [ ] Dark Surface (S7) (LRR K, L, M)
- [ ] Polyvalue Below Surface (S8) (LRR K, L)
- [ ] Thin Dark Surface (S9) (LRR K, L)
- [ ] Iron-Manganese Masses (F12) (LRR K, L, R)
- [ ] Piedmont Floodplain Soils (F19) (MLRA 149B)
- [ ] Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
- [ ] Red Parent Material (F21)
- [ ] Very Shallow Dark Surface (TF12)
- [ ] Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ◉ No ○

Remarks:

Soils meet hydric soil criteria.

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Lake Forest Condominiums **City/County:** Town of Washington, Vilas Co. **Sampling Date:** 22-May-23

Applicant/Owner: Dalmark Development Group, LLC **State:** WI **Sampling Point:** Up 2-4

Investigator(s): Ann Key, WDNR Prof. Assured **Section, Township, Range: S.** 24 **T.** T40N **R.** 10E

Landform (hillslope, terrace, etc.): Sideslope **Local relief (concave, convex, none):** convex **Slope:** 3.0 % / 1.7 °

Subregion (LRR or MLRA): LRR K **Lat.:** 45.9288495500 **Long.:** -89.1834653196 **Datum:** WGS84

Soil Map Unit Name: Gaastra silt loam; 0 to 2 percent slopes **NWI classification:**

Are climatic/hydrologic conditions on the site typical for this time of year? Yes ○ No ◉ **(If no, explain in Remarks.)**

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **significantly disturbed?** **Are "Normal Circumstances" present?** Yes ◉ No ○

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **naturally problematic?** **(If needed, explain any answers in Remarks.)**

Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ○ No ◉	**Is the Sampled Area within a Wetland?**	Yes ○ No ◉
Hydric Soil Present?	Yes ○ No ◉		
Wetland Hydrology Present?	Yes ○ No ◉		

Remarks: (Explain alternative procedures here or in a separate report.)

No recent disturbances were observed and the area was considered to have normal circumstances.

Hydrology

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15)
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of 2 required)

- ☐ Surface Soil Cracks (B6)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Stunted or Stressed Plants (D1)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ Microtopographic Relief (D4)
- ☐ FAC-neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ○ No ◉	Depth (inches):	
Water Table Present?	Yes ○ No ◉	Depth (inches):	
Saturation Present? (includes capillary fringe)	Yes ○ No ◉	Depth (inches):	**Wetland Hydrology Present?** Yes ○ No ◉

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

The APT summarized data from local weather stations and determined climatic conditions were wetter than normal for the time of the site visit. This sample plot does not meet wetland hydrology criteria.

VEGETATION - Use scientific names of plants.

Sampling Point: Up 2-4

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Tsuga canadensis*	70	☑	FACU
2. *Betula alleghaniensis*	15	☐	FAC
3. *Acer rubrum*	15	☐	FAC
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
	100	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15' radius)			
1. *Abies balsamea*	10	☑	FAC
2.	0	☐	
3.	0	☐	
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
	10	= Total Cover	
Herb Stratum (Plot size: 5' radius)			
1. *Dendrolycopodium obscurum*	10	☑	FACU
2. *Tsuga canadensis*	5	☑	FACU
3.	0	☐	
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
8.	0	☐	
9.	0	☐	
10.	0	☐	
11.	0	☐	
12.	0	☐	
	15	= Total Cover	
Woody Vine Stratum (Plot size: 30' radius)			
1.	0	☐	
2.	0	☐	
3.	0	☐	
4.	0	☐	
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 4 (B)

Percent of dominant Species That Are OBL, FACW, or FAC: 25.0% (A/B)

Prevalence Index worksheet:

	Total % Cover of:	Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	40	x 3 =	120
FACU species	85	x 4 =	340
UPL species	0	x 5 =	0
Column Totals:	125 (A)		460 (B)

Prevalence Index = B/A = 3.680

Hydrophytic Vegetation Indicators:

- ☐ **Rapid Test for Hydrophytic Vegetation**
- ☐ **Dominance Test is > 50%**
- ☐ **Prevalence Index is ≤3.0** [1]
- ☐ **Morphological Adaptations** [1] **(Provide supporting data in Remarks or on a separate sheet)**
- ☐ **Problematic Hydrophytic Vegetation** [1] **(Explain)**

[1] **Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.**

Definitions of Vegetation Strata:

Tree - Woody plants, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1m) tall..

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine - All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ○ No ◉

Remarks: (Include photo numbers here or on a separate sheet.)

Vegetation does not meet wetland criteria.

*Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil

Sampling Point: Up 2-4

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)		%	Redox Features Color (moist)		%	Type [1]	Loc[2]	Texture	Remarks
0-2	7.5YR	3/1	100	-	-	-	-	-	Sandy Loam	
2-8	10YR	5/2	100	-	-	-	-	-	Sandy Loam	E Horizon
8-10	10YR	5/3	100	-	-	-	-	-	Sandy Loam	
10-20	7.5YR	4/4	100	-	-	-	-	-	Sandy Loam	

[1]Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains [2]Location: PL=Pore Lining. M=Matrix

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Muck Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) (LRR R, MLRA 149B)
- ☐ Polyvalue Below Surface (S8) (LRR R, MLRA 149B)
- ☐ Thin Dark Surface (S9) (LRR R, MLRA 149B)
- ☐ Loamy Mucky Mineral (F1) LRR K, L)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils : [3]

- ☐ 2 cm Muck (A10) (LRR K, L, MLRA 149B)
- ☐ Coast Prairie Redox (A16) (LRR K, L, R)
- ☐ 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
- ☐ Dark Surface (S7) (LRR K, L, M)
- ☐ Polyvalue Below Surface (S8) (LRR K, L)
- ☐ Thin Dark Surface (S9) (LRR K, L)
- ☐ Iron-Manganese Masses (F12) (LRR K, L, R)
- ☐ Piedmont Floodplain Soils (F19) (MLRA 149B)
- ☐ Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
- ☐ Red Parent Material (F21)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ○ No ◉

Remarks:

Soils do not meet hydric soil criteria.

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Lake Forest Condominiums **City/County:** Town of Washington, Vilas Co. **Sampling Date:** 19-May-23

Applicant/Owner: Dalmark Development Group, LLC **State:** WI **Sampling Point:** **Wet 3-1**

Investigator(s): Ann Key, WDNR Prof. Assured **Section, Township, Range: S.** 24 **T.** T40N **R.** 10E

Landform (hillslope, terrace, etc.): Toeslope **Local relief (concave, convex, none):** concave **Slope:** 0.0 % / 0.0 °

Subregion (LRR or MLRA): LRR K **Lat.:** 45.9287080395 **Long.:** -89.1869420257 **Datum:** WGS84

Soil Map Unit Name: Au Gres loamy sand; 0 to 3 percent slopes **NWI classification:**

Are climatic/hydrologic conditions on the site typical for this time of year? Yes ○ No ◉ **(If no, explain in Remarks.)**

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **significantly disturbed?** **Are "Normal Circumstances" present?** Yes ◉ No ○

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **naturally problematic?** **(If needed, explain any answers in Remarks.)**

Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ◉ No ○	**Is the Sampled Area within a Wetland?**	Yes ◉ No ○
Hydric Soil Present?	Yes ◉ No ○		
Wetland Hydrology Present?	Yes ◉ No ○		

Remarks: (Explain alternative procedures here or in a separate report.)

No recent disturbances were observed and the area was considered to have normal circumstances. This wetland is classified as a Wooded Swamp community.

Hydrology

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☑ High Water Table (A2)
- ☑ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☑ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15)
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of 2 required)

- ☐ Surface Soil Cracks (B6)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Stunted or Stressed Plants (D1)
- ☑ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ Microtopographic Relief (D4)
- ☑ FAC-neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ○ No ◉	Depth (inches):	
Water Table Present?	Yes ◉ No ○	Depth (inches):	-6
Saturation Present? (includes capillary fringe)	Yes ◉ No ○	Depth (inches):	0

Wetland Hydrology Present? Yes ◉ No ○

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

The APT summarized data from local weather stations and determined climatic conditions were wetter than normal for the time of the site visit. This sample plot meets wetland hydrology criteria.

VEGETATION - Use scientific names of plants.

Sampling Point: Wet 3-1

Tree Stratum (Plot size: 28' x 101')	Absolute % Cover	Dominant Species?	Indicator Status
1. *Acer rubrum*	80	☑	FAC
2. *Betula alleghaniensis*	25	☑	FAC
3.	0	☐	
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
	105	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15' radius)			
1. *Betula alleghaniensis*	5	☑	FAC
2.	0	☐	
3.	0	☐	
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
	5	= Total Cover	
Herb Stratum (Plot size: 5' radius)			
1. *Carex bromoides*	20	☑	FACW
2. *Dryopteris carthusiana*	5	☐	FACW
3. *Glyceria striata*	2	☐	OBL
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
8.	0	☐	
9.	0	☐	
10.	0	☐	
11.	0	☐	
12.	0	☐	
	27	= Total Cover	
Woody Vine Stratum (Plot size: 28' x 101')			
1.	0	☐	
2.	0	☐	
3.	0	☐	
4.	0	☐	
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That are OBL, FACW, or FAC: 4 (A)

Total Number of Dominant Species Across All Strata: 4 (B)

Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)

Prevalence Index worksheet:

	Total % Cover of:	Multiply by:	
OBL species	2	x 1 =	2
FACW species	25	x 2 =	50
FAC species	110	x 3 =	330
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	137 (A)		382 (B)

Prevalence Index = B/A = 2.788

Hydrophytic Vegetation Indicators:

- ☐ **Rapid Test for Hydrophytic Vegetation**
- ☑ **Dominance Test is > 50%**
- ☑ **Prevalence Index is ≤3.0** [1]
- ☐ **Morphological Adaptations** [1] **(Provide supporting data in Remarks or on a separate sheet)**
- ☐ **Problematic Hydrophytic Vegetation** [1] **(Explain)**

[1] **Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.**

Definitions of Vegetation Strata:

Tree - Woody plants, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1m) tall..

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine - All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? **Yes** ◉ **No** ○

Remarks: (Include photo numbers here or on a separate sheet.)

Vegetation meets wetland criteria.

*Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil

Sampling Point: Wet 3-1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)		%	Redox Features Color (moist)		%	Type [1]	Loc[2]	Texture	Remarks
0-2	10YR	2/1	100	-	-	-	-	-	Muck	
2-10	7.5YR	6/1	80	7.5YR	5/3	20	C	M	Loamy Sand	
10-20	7.5YR	5/4	50	7.5YR	5/6	50	C	M	Loamy Sand	

[1] Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains [2] Location: PL=Pore Lining. M=Matrix

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☑ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Muck Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☑ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) (LRR R, MLRA 149B)
- ☐ Polyvalue Below Surface (S8) (LRR R, MLRA 149B)
- ☐ Thin Dark Surface (S9) (LRR R, MLRA 149B)
- ☐ Loamy Mucky Mineral (F1) LRR K, L)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils : [3]

- ☐ 2 cm Muck (A10) (LRR K, L, MLRA 149B)
- ☐ Coast Prairie Redox (A16) (LRR K, L, R)
- ☐ 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
- ☐ Dark Surface (S7) (LRR K, L, M)
- ☐ Polyvalue Below Surface (S8) (LRR K, L)
- ☐ Thin Dark Surface (S9) (LRR K, L)
- ☐ Iron-Manganese Masses (F12) (LRR K, L, R)
- ☐ Piedmont Floodplain Soils (F19) (MLRA 149B)
- ☐ Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
- ☐ Red Parent Material (F21)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ◉ No ○

Remarks:

Soils meet hydric soil criteria.

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Lake Forest Condominiums **City/County:** Town of Washington, Vilas Co. **Sampling Date:** 19-May-23

Applicant/Owner: Dalmark Development Group, LLC **State:** WI **Sampling Point:** Up 3-1

Investigator(s): Ann Key, WDNR Prof. Assured **Section, Township, Range: S.** 24 **T.** T40N **R.** 10E

Landform (hillslope, terrace, etc.): Sideslope **Local relief (concave, convex, none):** convex **Slope:** 6.0 % / 3.4 °

Subregion (LRR or MLRA): LRR K **Lat.:** 45.9287856270 **Long.:** -89.1868309294 **Datum:** WGS84

Soil Map Unit Name: Au Gres loamy sand; 0 to 3 percent slopes **NWI classification:**

Are climatic/hydrologic conditions on the site typical for this time of year? Yes ○ No ◉ **(If no, explain in Remarks.)**

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **significantly disturbed?** **Are "Normal Circumstances" present?** Yes ◉ No ○

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **naturally problematic?** **(If needed, explain any answers in Remarks.)**

Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ◉ No ○	**Is the Sampled Area within a Wetland?**	Yes ○ No ◉
Hydric Soil Present?	Yes ○ No ◉		
Wetland Hydrology Present?	Yes ○ No ◉		

Remarks: (Explain alternative procedures here or in a separate report.)

No recent disturbances were observed and the area was considered to have normal circumstances.

Hydrology

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15)
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of 2 required)

- ☐ Surface Soil Cracks (B6)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Stunted or Stressed Plants (D1)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ Microtopographic Relief (D4)
- ☐ FAC-neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ○ No ◉	Depth (inches):	
Water Table Present?	Yes ○ No ◉	Depth (inches):	
Saturation Present? (includes capillary fringe)	Yes ○ No ◉	Depth (inches):	**Wetland Hydrology Present?** Yes ○ No ◉

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

The APT summarized data from local weather stations and determined climatic conditions were wetter than normal for the time of the site visit. This sample plot does not meet wetland hydrology criteria.

VEGETATION - Use scientific names of plants.

Sampling Point: Up 3-1

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Tsuga canadensis*	50	☑	FACU
2. *Betula alleghaniensis*	25	☑	FAC
3. *Abies balsamea*	10	☐	FAC
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
	85	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15' radius)			
1. *Acer rubrum*	15	☑	FAC
2. *Abies balsamea*	5	☑	FAC
3.	0	☐	
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
	20	= Total Cover	
Herb Stratum (Plot size: 5' radius)			
1. *Lycopodium clavatum*	40	☑	FAC
2. *Pteridium aquilinum*	20	☑	FACU
3. *Carex pensylvanica*	15	☐	UPL
4. *Maianthemum canadense*	5	☐	FACU
5.	0	☐	
6.	0	☐	
7.	0	☐	
8.	0	☐	
9.	0	☐	
10.	0	☐	
11.	0	☐	
12.	0	☐	
	80	= Total Cover	
Woody Vine Stratum (Plot size: 30' radius)			
1.	0	☐	
2.	0	☐	
3.	0	☐	
4.	0	☐	
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That are OBL, FACW, or FAC: 4 (A)

Total Number of Dominant Species Across All Strata: 6 (B)

Percent of dominant Species That Are OBL, FACW, or FAC: 66.7% (A/B)

Prevalence Index worksheet:

	Total % Cover of:	Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	95	x 3 =	285
FACU species	75	x 4 =	300
UPL species	15	x 5 =	75
Column Totals:	185 (A)		660 (B)

Prevalence Index = B/A = 3.568

Hydrophytic Vegetation Indicators:

- ☐ **Rapid Test for Hydrophytic Vegetation**
- ☑ **Dominance Test is > 50%**
- ☐ **Prevalence Index is ≤3.0** [1]
- ☐ **Morphological Adaptations** [1] **(Provide supporting data in Remarks or on a separate sheet)**
- ☐ **Problematic Hydrophytic Vegetation** [1] **(Explain)**

[1] **Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.**

Definitions of Vegetation Strata:

Tree - Woody plants, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1m) tall..

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine - All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? **Yes** ◉ **No** ○

Remarks: (Include photo numbers here or on a separate sheet.)

Vegetation does not meet wetland criteria.

*Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil

Sampling Point: Up 3-1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)		%	Redox Features Color (moist)		%	Type [1]	Loc[2]	Texture	Remarks
0-1	7.5YR	3/1	100	-	-	-	-	-	Sandy Loam	
1-2	7.5YR	5/2	100	-	-	-	-	-	Loamy Sand	E Horizon
2-20	7.5YR	4/4	100	-	-	-	-	-	Loamy Sand	

[1]Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains [2]Location: PL=Pore Lining. M=Matrix

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Muck Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) (LRR R, MLRA 149B)
- ☐ Polyvalue Below Surface (S8) (LRR R, MLRA 149B)
- ☐ Thin Dark Surface (S9) (LRR R, MLRA 149B)
- ☐ Loamy Mucky Mineral (F1) LRR K, L)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils : [3]

- ☐ 2 cm Muck (A10) (LRR K, L, MLRA 149B)
- ☐ Coast Prairie Redox (A16) (LRR K, L, R)
- ☐ 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
- ☐ Dark Surface (S7) (LRR K, L, M)
- ☐ Polyvalue Below Surface (S8) (LRR K, L)
- ☐ Thin Dark Surface (S9) (LRR K, L)
- ☐ Iron-Manganese Masses (F12) (LRR K, L, R)
- ☐ Piedmont Floodplain Soils (F19) (MLRA 149B)
- ☐ Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
- ☐ Red Parent Material (F21)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ○ No ◉

Remarks:

Soils do not meet hydric soil criteria.

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Lake Forest Condominiums **City/County:** Town of Washington, Vilas Co. **Sampling Date:** 19-May-23

Applicant/Owner: Dalmark Development Group, LLC **State:** WI **Sampling Point:** **Wet 4-1**

Investigator(s): Ann Key, WDNR Prof. Assured **Section, Township, Range: S.** 24 **T.** T40N **R.** 10E

Landform (hillslope, terrace, etc.): Toeslope **Local relief (concave, convex, none):** concave **Slope:** 0.0 % / 0.0 °

Subregion (LRR or MLRA): LRR K **Lat.:** 45.9295211370 **Long.:** -89.1866007959 **Datum:** WGS84

Soil Map Unit Name: Cublake loamy sand; 0 to 4 percent slopes **NWI classification:**

Are climatic/hydrologic conditions on the site typical for this time of year? Yes ○ No ◉ **(If no, explain in Remarks.)**

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **significantly disturbed?** **Are "Normal Circumstances" present?** Yes ◉ No ○

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **naturally problematic?** **(If needed, explain any answers in Remarks.)**

Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ◉ No ○	**Is the Sampled Area within a Wetland?**	Yes ◉ No ○
Hydric Soil Present?	Yes ◉ No ○		
Wetland Hydrology Present?	Yes ◉ No ○		

Remarks: (Explain alternative procedures here or in a separate report.)

No recent disturbances were observed and the area was considered to have normal circumstances. This wetland is classified as a Wooded Swamp community.

Hydrology

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☑ Surface Water (A1)
- ☑ High Water Table (A2)
- ☑ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☑ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15)
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of 2 required)

- ☐ Surface Soil Cracks (B6)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Stunted or Stressed Plants (D1)
- ☑ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ Microtopographic Relief (D4)
- ☑ FAC-neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ◉ No ○	Depth (inches):	2
Water Table Present?	Yes ◉ No ○	Depth (inches):	0
Saturation Present? (includes capillary fringe)	Yes ◉ No ○	Depth (inches):	0

Wetland Hydrology Present? Yes ◉ No ○

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

The APT summarized data from local weather stations and determined climatic conditions were wetter than normal for the time of the site visit. This sample plot meets wetland hydrology criteria.

VEGETATION - Use scientific names of plants.

Sampling Point: Wet 4-1

Tree Stratum (Plot size: 34' x 83')	Absolute % Cover	Dominant Species?	Indicator Status
1. *Betula alleghaniensis*	30	☑	FAC
2. *Pinus strobus*	25	☑	FACU
3.	0	☐	
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
	55	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15' radius)			
1. *Abies balsamea*	25	☑	FAC
2. *Pinus strobus*	5	☐	FACU
3. *Acer rubrum*	5	☐	FAC
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
	35	= Total Cover	
Herb Stratum (Plot size: 5' radius)			
1. *Sphagnum magellanicum*	30	☑	OBL
2. *Carex disperma*	15	☑	OBL
3. *Coptis trifolia*	10	☐	FACW
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
8.	0	☐	
9.	0	☐	
10.	0	☐	
11.	0	☐	
12.	0	☐	
	55	= Total Cover	
Woody Vine Stratum (Plot size: 34' x 83')			
1.	0	☐	
2.	0	☐	
3.	0	☐	
4.	0	☐	
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That are OBL, FACW, or FAC: 4 (A)

Total Number of Dominant Species Across All Strata: 5 (B)

Percent of dominant Species That Are OBL, FACW, or FAC: 80.0% (A/B)

Prevalence Index worksheet:

	Total % Cover of:	Multiply by:	
OBL species	45	x 1 =	45
FACW species	10	x 2 =	20
FAC species	60	x 3 =	180
FACU species	30	x 4 =	120
UPL species	0	x 5 =	0
Column Totals:	145 (A)		365 (B)

Prevalence Index = B/A = 2.517

Hydrophytic Vegetation Indicators:

- ☐ **Rapid Test for Hydrophytic Vegetation**
- ☑ **Dominance Test is > 50%**
- ☑ **Prevalence Index is ≤3.0** [1]
- ☐ **Morphological Adaptations** [1] **(Provide supporting data in Remarks or on a separate sheet)**
- ☐ **Problematic Hydrophytic Vegetation** [1] **(Explain)**

[1] **Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.**

Definitions of Vegetation Strata:

Tree - Woody plants, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1m) tall..

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine - All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? **Yes** ◉ **No** ○

Remarks: (Include photo numbers here or on a separate sheet.)

Vegetation meets wetland criteria.

*Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil

Sampling Point: Wet 4-1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)		%	Redox Features Color (moist)		%	Type [1]	Loc[2]	Texture	Remarks
0-3	7.5YR	2.5/2	100	-	-	-	-	-	Peat	
3-5	7.5YR	2.5/1	100	-	-	-	-	-	Muck	
5-20	10YR	5/2	90	10YR	4/3	10	C	M	Sandy Loam	

[1] Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains [2] Location: PL=Pore Lining. M=Matrix

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☑ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Muck Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) (LRR R, MLRA 149B)
- ☐ Polyvalue Below Surface (S8) (LRR R, MLRA 149B)
- ☐ Thin Dark Surface (S9) (LRR R, MLRA 149B)
- ☐ Loamy Mucky Mineral (F1) LRR K, L)
- ☐ Loamy Gleyed Matrix (F2)
- ☑ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils : [3]

- ☐ 2 cm Muck (A10) (LRR K, L, MLRA 149B)
- ☐ Coast Prairie Redox (A16) (LRR K, L, R)
- ☐ 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
- ☐ Dark Surface (S7) (LRR K, L, M)
- ☐ Polyvalue Below Surface (S8) (LRR K, L)
- ☐ Thin Dark Surface (S9) (LRR K, L)
- ☐ Iron-Manganese Masses (F12) (LRR K, L, R)
- ☐ Piedmont Floodplain Soils (F19) (MLRA 149B)
- ☐ Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
- ☐ Red Parent Material (F21)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ◉ No ○

Remarks:

Soils meet hydric soil criteria.

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Lake Forest Condominiums **City/County:** Town of Washington, Vilas Co. **Sampling Date:** 19-May-23

Applicant/Owner: Dalmark Development Group, LLC **State:** WI **Sampling Point:** Up 4-1

Investigator(s): Ann Key, WDNR Prof. Assured **Section, Township, Range: S.** 24 **T.** T40N **R.** 10E

Landform (hillslope, terrace, etc.): Sideslope **Local relief (concave, convex, none):** convex **Slope:** 8.0 % / 4.6 °

Subregion (LRR or MLRA): LRR K **Lat.:** 45.9296305916 **Long.:** -89.1865906961 **Datum:** WGS84

Soil Map Unit Name: Cublake loamy sand; 0 to 4 percent slopes **NWI classification:**

Are climatic/hydrologic conditions on the site typical for this time of year? Yes ○ No ◉ **(If no, explain in Remarks.)**

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **significantly disturbed?** **Are "Normal Circumstances" present?** Yes ◉ No ○

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **naturally problematic?** **(If needed, explain any answers in Remarks.)**

Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ○ No ◉	**Is the Sampled Area within a Wetland?**	Yes ○ No ◉
Hydric Soil Present?	Yes ○ No ◉		
Wetland Hydrology Present?	Yes ○ No ◉		

Remarks: (Explain alternative procedures here or in a separate report.)

No recent disturbances were observed and the area was considered to have normal circumstances.

Hydrology

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15)
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of 2 required)

- ☐ Surface Soil Cracks (B6)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Stunted or Stressed Plants (D1)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ Microtopographic Relief (D4)
- ☐ FAC-neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ○ No ◉	Depth (inches):	
Water Table Present?	Yes ○ No ◉	Depth (inches):	
Saturation Present? (includes capillary fringe)	Yes ○ No ◉	Depth (inches):	**Wetland Hydrology Present?** Yes ○ No ◉

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

The APT summarized data from local weather stations and determined climatic conditions were wetter than normal for the time of the site visit. This sample plot does not meet wetland hydrology criteria.

VEGETATION - Use scientific names of plants.

Sampling Point: Up 4-1

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Abies balsamea*	40	☑	FAC
2. *Tsuga canadensis*	30	☑	FACU
3. *Pinus resinosa*	20	☐	FACU
4. *Acer rubrum*	20	☐	FAC
5.	0	☐	
6.	0	☐	
7.	0	☐	
	110	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15' radius)			
1. *Abies balsamea*	25	☑	FAC
2.	0	☐	
3.	0	☐	
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
	25	= Total Cover	
Herb Stratum (Plot size: 5' radius)			
1. *Dichanthelium xanthophysum*	5	☑	UPL
2.	0	☐	
3.	0	☐	
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
8.	0	☐	
9.	0	☐	
10.	0	☐	
11.	0	☐	
12.	0	☐	
	5	= Total Cover	
Woody Vine Stratum (Plot size: 30' radius)			
1.	0	☐	
2.	0	☐	
3.	0	☐	
4.	0	☐	
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 4 (B)

Percent of dominant Species That Are OBL, FACW, or FAC: 50.0% (A/B)

Prevalence Index worksheet:

	Total % Cover of:	Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	85	x 3 =	255
FACU species	50	x 4 =	200
UPL species	5	x 5 =	25
Column Totals:	140 (A)		480 (B)

Prevalence Index = B/A = 3.429

Hydrophytic Vegetation Indicators:

- ☐ **Rapid Test for Hydrophytic Vegetation**
- ☐ **Dominance Test is > 50%**
- ☐ **Prevalence Index is ≤3.0** [1]
- ☐ **Morphological Adaptations** [1] **(Provide supporting data in Remarks or on a separate sheet)**
- ☐ **Problematic Hydrophytic Vegetation** [1] **(Explain)**

[1] **Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.**

Definitions of Vegetation Strata:

Tree - Woody plants, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1m) tall..

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine - All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ○ No ◉

Remarks: (Include photo numbers here or on a separate sheet.)

Vegetation does not meet wetland criteria.

*Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil

Sampling Point: Up 4-1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)		%	Redox Features Color (moist)		%	Type [1]	Loc[2]	Texture	Remarks
0-4	7.5YR	3/1	100	-	-	-	-	-	Sandy Loam	
4-8	7.5YR	5/1	100	-	-	-	-	-	Loamy Sand	E Horizon
8-20	7.5YR	4/4	100	-	-	-	-	-	Loamy Sand	

[1]Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains [2]Location: PL=Pore Lining. M=Matrix

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Muck Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) (LRR R, MLRA 149B)
- ☐ Polyvalue Below Surface (S8) (LRR R, MLRA 149B)
- ☐ Thin Dark Surface (S9) (LRR R, MLRA 149B)
- ☐ Loamy Mucky Mineral (F1) LRR K, L)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils : [3]

- ☐ 2 cm Muck (A10) (LRR K, L, MLRA 149B)
- ☐ Coast Prairie Redox (A16) (LRR K, L, R)
- ☐ 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
- ☐ Dark Surface (S7) (LRR K, L, M)
- ☐ Polyvalue Below Surface (S8) (LRR K, L)
- ☐ Thin Dark Surface (S9) (LRR K, L)
- ☐ Iron-Manganese Masses (F12) (LRR K, L, R)
- ☐ Piedmont Floodplain Soils (F19) (MLRA 149B)
- ☐ Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
- ☐ Red Parent Material (F21)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ○ No ◉

Remarks:

Soils do not meet hydric soil criteria.

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Lake Forest Condominiums **City/County:** Town of Washington, Vilas Co. **Sampling Date:** 19-May-23

Applicant/Owner: Dalmark Development Group, LLC **State:** WI **Sampling Point:** **Wet 5-1**

Investigator(s): Ann Key, WDNR Prof. Assured **Section, Township, Range: S.** 24 **T.** T40N **R.** 10E

Landform (hillslope, terrace, etc.): Toeslope **Local relief (concave, convex, none):** concave **Slope:** 0.0 % / 0.0 °

Subregion (LRR or MLRA): LRR K **Lat.:** 45.9291010879 **Long.:** -89.1867337548 **Datum:** WGS84

Soil Map Unit Name: Au Gres loamy sand; 0 to 3 percent slopes **NWI classification:**

Are climatic/hydrologic conditions on the site typical for this time of year? Yes ○ No ◉ **(If no, explain in Remarks.)**

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **significantly disturbed?** **Are "Normal Circumstances" present?** Yes ◉ No ○

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **naturally problematic?** **(If needed, explain any answers in Remarks.)**

Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ◉ No ○	**Is the Sampled Area within a Wetland?**	Yes ◉ No ○
Hydric Soil Present?	Yes ◉ No ○		
Wetland Hydrology Present?	Yes ◉ No ○		

Remarks: (Explain alternative procedures here or in a separate report.)

No recent disturbances were observed and the area was considered to have normal circumstances. This wetland is classified as a Wooded Swamp community.

Hydrology

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☑ Surface Water (A1)
- ☑ High Water Table (A2)
- ☑ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☑ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15)
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of 2 required)

- ☐ Surface Soil Cracks (B6)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Stunted or Stressed Plants (D1)
- ☑ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ Microtopographic Relief (D4)
- ☑ FAC-neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ◉ No ○	Depth (inches):	2
Water Table Present?	Yes ◉ No ○	Depth (inches):	0
Saturation Present? (includes capillary fringe)	Yes ◉ No ○	Depth (inches):	0

Wetland Hydrology Present? Yes ◉ No ○

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

The APT summarized data from local weather stations and determined climatic conditions were wetter than normal for the time of the site visit. This sample plot meets wetland hydrology criteria.

VEGETATION - Use scientific names of plants.

Sampling Point: Wet 5-1

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Abies balsamea*	25	☑	FAC
2. *Tsuga canadensis*	20	☑	FACU
3.	0	☐	
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
	45	**= Total Cover**	
Sapling/Shrub Stratum (Plot size: 15' radius)			
1.	0	☐	
2.	0	☐	
3.	0	☐	
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
	0	**= Total Cover**	
Herb Stratum (Plot size: 5' radius)			
1. *Sphagnum magellanicum*	25	☑	OBL
2. *Carex disperma*	15	☑	OBL
3. *Carex bromoides*	5	☐	FACW
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
8.	0	☐	
9.	0	☐	
10.	0	☐	
11.	0	☐	
12.	0	☐	
	45	**= Total Cover**	
Woody Vine Stratum (Plot size: 30' radius)			
1.	0	☐	
2.	0	☐	
3.	0	☐	
4.	0	☐	
	0	**= Total Cover**	

Dominance Test worksheet:

Number of Dominant Species That are OBL, FACW, or FAC: 3 (A)

Total Number of Dominant Species Across All Strata: 4 (B)

Percent of dominant Species That Are OBL, FACW, or FAC: 75.0% (A/B)

Prevalence Index worksheet:

	Total % Cover of:	Multiply by:	
OBL species	40	x 1 =	40
FACW species	5	x 2 =	10
FAC species	25	x 3 =	75
FACU species	20	x 4 =	80
UPL species	0	x 5 =	0
Column Totals:	90 (A)		205 (B)

Prevalence Index = B/A = 2.278

Hydrophytic Vegetation Indicators:

- ☐ **Rapid Test for Hydrophytic Vegetation**
- ☑ **Dominance Test is > 50%**
- ☑ **Prevalence Index is ≤3.0** [1]
- ☐ **Morphological Adaptations** [1] **(Provide supporting data in Remarks or on a separate sheet)**
- ☐ **Problematic Hydrophytic Vegetation** [1] **(Explain)**

[1] **Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.**

Definitions of Vegetation Strata:

Tree - Woody plants, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1m) tall..

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine - All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? **Yes** ◉ **No** ○

Remarks: (Include photo numbers here or on a separate sheet.)

Vegetation meets wetland criteria.

*Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil

Sampling Point: Wet 5-1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)		%	Redox Features Color (moist)		%	Type [1]	Loc[2]	Texture	Remarks
0-2	7.5YR	2.5/1	100	-	-	-	-	-	Mucky Peat	
2-20	7.5YR	5/2	85	7.5YR	5/4	15	C	M	Sandy Loam	

[1]Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains [2]Location: PL=Pore Lining. M=Matrix

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☑ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Muck Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) (LRR R, MLRA 149B)
- ☐ Polyvalue Below Surface (S8) (LRR R, MLRA 149B)
- ☐ Thin Dark Surface (S9) (LRR R, MLRA 149B)
- ☐ Loamy Mucky Mineral (F1) LRR K, L)
- ☐ Loamy Gleyed Matrix (F2)
- ☑ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils : [3]

- ☐ 2 cm Muck (A10) (LRR K, L, MLRA 149B)
- ☐ Coast Prairie Redox (A16) (LRR K, L, R)
- ☐ 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
- ☐ Dark Surface (S7) (LRR K, L, M)
- ☐ Polyvalue Below Surface (S8) (LRR K, L)
- ☐ Thin Dark Surface (S9) (LRR K, L)
- ☐ Iron-Manganese Masses (F12) (LRR K, L, R)
- ☐ Piedmont Floodplain Soils (F19) (MLRA 149B)
- ☐ Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
- ☐ Red Parent Material (F21)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ◉ No ○

Remarks:

Soils meet hydric soil criteria.

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Lake Forest Condominiums **City/County:** Town of Washington, Vilas Co. **Sampling Date:** 19-May-23

Applicant/Owner: Dalmark Development Group, LLC **State:** WI **Sampling Point:** Up 5-1

Investigator(s): Ann Key, WDNR Prof. Assured **Section, Township, Range: S.** 24 **T.** T40N **R.** 10E

Landform (hillslope, terrace, etc.): Sideslope **Local relief (concave, convex, none):** linear **Slope:** 5.0 % / 2.9 °

Subregion (LRR or MLRA): LRR K **Lat.:** 45.9291864320 **Long.:** -89.1866350266 **Datum:** WGS84

Soil Map Unit Name: Au Gres loamy sand; 0 to 3 percent slopes **NWI classification:**

Are climatic/hydrologic conditions on the site typical for this time of year? Yes ○ No ◉ **(If no, explain in Remarks.)**

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **significantly disturbed?** **Are "Normal Circumstances" present?** Yes ◉ No ○

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **naturally problematic?** **(If needed, explain any answers in Remarks.)**

Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ◉ No ○	**Is the Sampled Area within a Wetland?**	Yes ○ No ◉
Hydric Soil Present?	Yes ○ No ◉		
Wetland Hydrology Present?	Yes ○ No ◉		

Remarks: (Explain alternative procedures here or in a separate report.)

No recent disturbances were observed and the area was considered to have normal circumstances.

Hydrology

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15)
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of 2 required)

- ☐ Surface Soil Cracks (B6)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Stunted or Stressed Plants (D1)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ Microtopographic Relief (D4)
- ☐ FAC-neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ○ No ◉	Depth (inches):	
Water Table Present?	Yes ○ No ◉	Depth (inches):	
Saturation Present? (includes capillary fringe)	Yes ○ No ◉	Depth (inches):	**Wetland Hydrology Present?** Yes ○ No ◉

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

The APT summarized data from local weather stations and determined climatic conditions were wetter than normal for the time of the site visit. This sample plot does not meet wetland hydrology criteria.

VEGETATION - Use scientific names of plants.

Sampling Point: Up 5-1

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Abies balsamea*	30	☑	FAC
2. *Betula alleghaniensis*	30	☑	FAC
3.	0	☐	
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
	60	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15' radius)			
1. *Abies balsamea*	5	☑	FAC
2.	0	☐	
3.	0	☐	
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
	5	= Total Cover	
Herb Stratum (Plot size: 5' radius)			
1. *Maianthemum canadense*	10	☑	FACU
2. *Lycopodium clavatum*	10	☑	FAC
3. *Trientalis borealis*	3	☐	FAC
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
8.	0	☐	
9.	0	☐	
10.	0	☐	
11.	0	☐	
12.	0	☐	
	23	= Total Cover	
Woody Vine Stratum (Plot size: 30' radius)			
1.	0	☐	
2.	0	☐	
3.	0	☐	
4.	0	☐	
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That are OBL, FACW, or FAC: 4 (A)

Total Number of Dominant Species Across All Strata: 5 (B)

Percent of dominant Species That Are OBL, FACW, or FAC: 80.0% (A/B)

Prevalence Index worksheet:

	Total % Cover of:	Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	78	x 3 =	234
FACU species	10	x 4 =	40
UPL species	0	x 5 =	0
Column Totals:	88 (A)		274 (B)

Prevalence Index = B/A = 3.114

Hydrophytic Vegetation Indicators:

- ☐ **Rapid Test for Hydrophytic Vegetation**
- ☑ **Dominance Test is > 50%**
- ☐ **Prevalence Index is ≤3.0** [1]
- ☐ **Morphological Adaptations** [1] **(Provide supporting data in Remarks or on a separate sheet)**
- ☐ **Problematic Hydrophytic Vegetation** [1] **(Explain)**

[1] **Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.**

Definitions of Vegetation Strata:

Tree - Woody plants, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1m) tall..

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine - All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? **Yes** ◉ **No** ○

Remarks: (Include photo numbers here or on a separate sheet.)

Vegetation does not meet wetland criteria.

*Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil

Sampling Point: Up 5-1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)		%	Redox Features Color (moist)		%	Type [1]	Loc[2]	Texture	Remarks
0-4	7.5YR	3/1	100	-	-	-	-	-	Sandy Loam	
4-6	7.5YR	5/2	100	-	-	-	-	-	Loamy Sand	E Horizon
6-20	7.5YR	4/4	100	-	-	-	-	-	Loamy Sand	

[1]Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains [2]Location: PL=Pore Lining. M=Matrix

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Muck Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) (LRR R, MLRA 149B)
- ☐ Polyvalue Below Surface (S8) (LRR R, MLRA 149B)
- ☐ Thin Dark Surface (S9) (LRR R, MLRA 149B)
- ☐ Loamy Mucky Mineral (F1) LRR K, L)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils : [3]

- ☐ 2 cm Muck (A10) (LRR K, L, MLRA 149B)
- ☐ Coast Prairie Redox (A16) (LRR K, L, R)
- ☐ 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
- ☐ Dark Surface (S7) (LRR K, L, M)
- ☐ Polyvalue Below Surface (S8) (LRR K, L)
- ☐ Thin Dark Surface (S9) (LRR K, L)
- ☐ Iron-Manganese Masses (F12) (LRR K, L, R)
- ☐ Piedmont Floodplain Soils (F19) (MLRA 149B)
- ☐ Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
- ☐ Red Parent Material (F21)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ○ No ◉

Remarks:

Soils do not meet hydric soil criteria.

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Lake Forest Condominiums **City/County:** Town of Washington, Vilas Co. **Sampling Date:** 22-May-23

Applicant/Owner: Dalmark Development Group, LLC **State:** WI **Sampling Point:** **Wet 6-1**

Investigator(s): Ann Key, WDNR Prof. Assured **Section, Township, Range: S.** 24 **T.** T40N **R.** 10E

Landform (hillslope, terrace, etc.): Toeslope **Local relief (concave, convex, none):** concave **Slope:** 0.0 % / 0.0 °

Subregion (LRR or MLRA): LRR K **Lat.:** 45.9307929773 **Long.:** -89.1856839666 **Datum:** WGS84

Soil Map Unit Name: Cublake loamy sand; 0 to 4 percent slopes **NWI classification:**

Are climatic/hydrologic conditions on the site typical for this time of year? Yes ○ No ◉ **(If no, explain in Remarks.)**

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **significantly disturbed?** **Are "Normal Circumstances" present?** Yes ◉ No ○

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **naturally problematic?** **(If needed, explain any answers in Remarks.)**

Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ◉ No ○	**Is the Sampled Area within a Wetland?**	Yes ◉ No ○
Hydric Soil Present?	Yes ◉ No ○		
Wetland Hydrology Present?	Yes ◉ No ○		

Remarks: (Explain alternative procedures here or in a separate report.)

No recent disturbances were observed and the area was considered to have normal circumstances. This wetland is classified as a Wooded Swamp community.

Hydrology

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☑ Surface Water (A1)
- ☑ High Water Table (A2)
- ☑ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☑ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☑ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15)
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of 2 required)

- ☐ Surface Soil Cracks (B6)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Stunted or Stressed Plants (D1)
- ☑ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ Microtopographic Relief (D4)
- ☑ FAC-neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ◉ No ○	Depth (inches):	6
Water Table Present?	Yes ◉ No ○	Depth (inches):	0
Saturation Present? (includes capillary fringe)	Yes ◉ No ○	Depth (inches):	0

Wetland Hydrology Present? Yes ◉ No ○

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

The APT summarized data from local weather stations and determined climatic conditions were wetter than normal for the time of the site visit. This sample plot meets wetland hydrology criteria.

VEGETATION - Use scientific names of plants.

Sampling Point: Wet 6-1

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Pinus strobus*	30	☑	FACU
2. *Acer rubrum*	20	☑	FAC
3.	0	☐	
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
	50	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15' radius)			
1. *Picea mariana*	15	☑	FACW
2. *Abies balsamea*	5	☑	FAC
3.	0	☐	
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
	20	= Total Cover	
Herb Stratum (Plot size: 5' radius)			
1. *Sphagnum magellanicum*	30	☑	OBL
2. *Carex disperma*	20	☑	OBL
3. *Trientalis borealis*	5	☐	FAC
4. *Ledum groenlandicum*	5	☐	OBL
5.	0	☐	
6.	0	☐	
7.	0	☐	
8.	0	☐	
9.	0	☐	
10.	0	☐	
11.	0	☐	
12.	0	☐	
	60	= Total Cover	
Woody Vine Stratum (Plot size: 30' radius)			
1.	0	☐	
2.	0	☐	
3.	0	☐	
4.	0	☐	
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That are OBL, FACW, or FAC: 5 (A)

Total Number of Dominant Species Across All Strata: 6 (B)

Percent of dominant Species That Are OBL, FACW, or FAC: 83.3% (A/B)

Prevalence Index worksheet:

	Total % Cover of:		Multiply by:	
OBL species	55	x 1 =	55	
FACW species	15	x 2 =	30	
FAC species	30	x 3 =	90	
FACU species	30	x 4 =	120	
UPL species	0	x 5 =	0	
Column Totals:	130	(A)	295	(B)

Prevalence Index = B/A = 2.269

Hydrophytic Vegetation Indicators:

- ☐ **Rapid Test for Hydrophytic Vegetation**
- ☑ **Dominance Test is > 50%**
- ☑ **Prevalence Index is ≤3.0** [1]
- ☐ **Morphological Adaptations** [1] **(Provide supporting data in Remarks or on a separate sheet)**
- ☐ **Problematic Hydrophytic Vegetation** [1] **(Explain)**

[1] **Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.**

Definitions of Vegetation Strata:

Tree - Woody plants, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1m) tall..

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine - All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? **Yes** ◉ **No** ○

Remarks: (Include photo numbers here or on a separate sheet.)

Vegetation meets wetland criteria.

*Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil

Sampling Point: Wet 6-1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)		%	Redox Features Color (moist)	%	Type [1]	Loc[2]	Texture	Remarks
0-2	7.5YR	2.5/1	100	-	-	-	-	Muck	
2-20	7.5YR	5/1	-	-	-	-	-	Sandy Loam	

[1] Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains [2] Location: PL=Pore Lining. M=Matrix

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☑ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Muck Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) (LRR R, MLRA 149B)
- ☐ Polyvalue Below Surface (S8) (LRR R, MLRA 149B)
- ☐ Thin Dark Surface (S9) (LRR R, MLRA 149B)
- ☐ Loamy Mucky Mineral (F1) LRR K, L)
- ☐ Loamy Gleyed Matrix (F2)
- ☑ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils : [3]

- ☐ 2 cm Muck (A10) (LRR K, L, MLRA 149B)
- ☐ Coast Prairie Redox (A16) (LRR K, L, R)
- ☐ 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
- ☐ Dark Surface (S7) (LRR K, L, M)
- ☐ Polyvalue Below Surface (S8) (LRR K, L)
- ☐ Thin Dark Surface (S9) (LRR K, L)
- ☐ Iron-Manganese Masses (F12) (LRR K, L, R)
- ☐ Piedmont Floodplain Soils (F19) (MLRA 149B)
- ☐ Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
- ☐ Red Parent Material (F21)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ◉ No ○

Remarks:

Soils meet hydric soil criteria.

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Lake Forest Condominiums **City/County:** Town of Washington, Vilas Co. **Sampling Date:** 22-May-23

Applicant/Owner: Dalmark Development Group, LLC **State:** WI **Sampling Point:** Up 6-1

Investigator(s): Ann Key, WDNR Prof. Assured **Section, Township, Range: S.** 24 **T.** T40N **R.** 10E

Landform (hillslope, terrace, etc.): Sideslope **Local relief (concave, convex, none):** linear **Slope:** 5.0 % / 2.9 °

Subregion (LRR or MLRA): LRR K **Lat.:** 45.9307692558 **Long.:** -89.1855305040 **Datum:** WGS84

Soil Map Unit Name: Cublake loamy sand; 0 to 4 percent slopes **NWI classification:**

Are climatic/hydrologic conditions on the site typical for this time of year? Yes ○ No ◉ **(If no, explain in Remarks.)**

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **significantly disturbed?** **Are "Normal Circumstances" present?** Yes ◉ No ○

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **naturally problematic?** **(If needed, explain any answers in Remarks.)**

Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ◉ No ○	**Is the Sampled Area within a Wetland?**	Yes ○ No ◉
Hydric Soil Present?	Yes ○ No ◉		
Wetland Hydrology Present?	Yes ○ No ◉		

Remarks: (Explain alternative procedures here or in a separate report.)

No recent disturbances were observed and the area was considered to have normal circumstances.

Hydrology

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15)
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of 2 required)

- ☐ Surface Soil Cracks (B6)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Stunted or Stressed Plants (D1)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ Microtopographic Relief (D4)
- ☐ FAC-neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ○ No ◉	Depth (inches):	
Water Table Present?	Yes ○ No ◉	Depth (inches):	
Saturation Present? (includes capillary fringe)	Yes ○ No ◉	Depth (inches):	**Wetland Hydrology Present?** Yes ○ No ◉

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

The APT summarized data from local weather stations and determined climatic conditions were wetter than normal for the time of the site visit. This sample plot does not meet wetland hydrology criteria.

VEGETATION - Use scientific names of plants.

Sampling Point: Up 6-1

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Abies balsamea*	30	☑	FAC
2. *Betula papyrifera*	30	☑	FACU
3. *Acer rubrum*	20	☑	FAC
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
	80	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15' radius)			
1. *Abies balsamea*	50	☑	FAC
2.	0	☐	
3.	0	☐	
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
	50	= Total Cover	
Herb Stratum (Plot size: 5' radius)			
1. *Vaccinium angustifolium*	5	☑	FACU
2. *Trientalis borealis*	5	☑	FAC
3.	0	☐	
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
8.	0	☐	
9.	0	☐	
10.	0	☐	
11.	0	☐	
12.	0	☐	
	10	= Total Cover	
Woody Vine Stratum (Plot size: 30' radius)			
1.	0	☐	
2.	0	☐	
3.	0	☐	
4.	0	☐	
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That are OBL, FACW, or FAC: 4 (A)

Total Number of Dominant Species Across All Strata: 6 (B)

Percent of dominant Species That Are OBL, FACW, or FAC: 66.7% (A/B)

Prevalence Index worksheet:

	Total % Cover of:	Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	105	x 3 =	315
FACU species	35	x 4 =	140
UPL species	0	x 5 =	0
Column Totals:	140 (A)		455 (B)

Prevalence Index = B/A = 3.250

Hydrophytic Vegetation Indicators:

- ☐ **Rapid Test for Hydrophytic Vegetation**
- ☑ **Dominance Test is > 50%**
- ☐ **Prevalence Index is ≤3.0** [1]
- ☐ **Morphological Adaptations** [1] **(Provide supporting data in Remarks or on a separate sheet)**
- ☐ **Problematic Hydrophytic Vegetation** [1] **(Explain)**

[1] **Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.**

Definitions of Vegetation Strata:

Tree - Woody plants, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1m) tall..

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine - All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? **Yes** ◉ **No** ○

Remarks: (Include photo numbers here or on a separate sheet.)

Vegetation meets wetland criteria due to FAC species but soils are not hydric, no hydrology indicators were observed and topographic position was indicative of upland.

*Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil

Sampling Point: Up 6-1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)		%	Redox Features Color (moist)		%	Type [1]	Loc[2]	Texture	Remarks
0-1	7.5YR	3/1	100	-	-	-	-	-	Sandy Loam	
1-3	7.5YR	5/2	100	-	-	-	-	-	Loamy Sand	E Horizon
3-20	7.5YR	4/6	100	-	-	-	-	-	Loamy Sand	

[1]Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains [2]Location: PL=Pore Lining. M=Matrix

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Muck Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) (LRR R, MLRA 149B)
- ☐ Polyvalue Below Surface (S8) (LRR R, MLRA 149B)
- ☐ Thin Dark Surface (S9) (LRR R, MLRA 149B)
- ☐ Loamy Mucky Mineral (F1) LRR K, L)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils : [3]

- ☐ 2 cm Muck (A10) (LRR K, L, MLRA 149B)
- ☐ Coast Prairie Redox (A16) (LRR K, L, R)
- ☐ 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
- ☐ Dark Surface (S7) (LRR K, L, M)
- ☐ Polyvalue Below Surface (S8) (LRR K, L)
- ☐ Thin Dark Surface (S9) (LRR K, L)
- ☐ Iron-Manganese Masses (F12) (LRR K, L, R)
- ☐ Piedmont Floodplain Soils (F19) (MLRA 149B)
- ☐ Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
- ☐ Red Parent Material (F21)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ○ No ◉

Remarks:

Soils do not meet hydric soil criteria.

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Lake Forest Condominiums **City/County:** Town of Washington, Vilas Co. **Sampling Date:** 22-May-23

Applicant/Owner: Dalmark Development Group, LLC **State:** WI **Sampling Point:** **Wet 7-1**

Investigator(s): Ann Key, WDNR Prof. Assured **Section, Township, Range: S.** 24 **T.** T40N **R.** 10E

Landform (hillslope, terrace, etc.): Toeslope **Local relief (concave, convex, none):** concave **Slope:** 0.0 % / 0.0 °

Subregion (LRR or MLRA): LRR K **Lat.:** 45.9314975765 **Long.:** -89.1870797187 **Datum:** WGS84

Soil Map Unit Name: Cublake loamy sand; 0 to 4 percent slopes **NWI classification:**

Are climatic/hydrologic conditions on the site typical for this time of year? Yes ○ No ◉ **(If no, explain in Remarks.)**

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **significantly disturbed?** **Are "Normal Circumstances" present?** Yes ◉ No ○

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **naturally problematic?** **(If needed, explain any answers in Remarks.)**

Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ◉ No ○	**Is the Sampled Area within a Wetland?**	Yes ◉ No ○
Hydric Soil Present?	Yes ◉ No ○		
Wetland Hydrology Present?	Yes ◉ No ○		

Remarks: (Explain alternative procedures here or in a separate report.)

No recent disturbances were observed and the area was considered to have normal circumstances. This wetland is classified as a Wet Meadow community.

Hydrology

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☑ Surface Water (A1)
- ☑ High Water Table (A2)
- ☑ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☑ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15)
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of 2 required)

- ☐ Surface Soil Cracks (B6)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Stunted or Stressed Plants (D1)
- ☑ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ Microtopographic Relief (D4)
- ☑ FAC-neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ◉ No ○	Depth (inches):	8	
Water Table Present?	Yes ◉ No ○	Depth (inches):	0	
Saturation Present? (includes capillary fringe)	Yes ◉ No ○	Depth (inches):	0	**Wetland Hydrology Present?** Yes ◉ No ○

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

The APT summarized data from local weather stations and determined climatic conditions were wetter than normal for the time of the site visit. This sample plot meets wetland hydrology criteria.

VEGETATION - Use scientific names of plants.

Sampling Point: Wet 7-1

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Larix laricina*	5	☑	FACW
2.	0	☐	
3.	0	☐	
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
	5	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15' radius)			
1. *Pinus strobus*	3	☐	FACU
2.	0	☐	
3.	0	☐	
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
	3	= Total Cover	
Herb Stratum (Plot size: 5' radius)			
1. *Scirpus cyperinus*	20	☑	OBL
2. *Ledum groenlandicum*	15	☑	OBL
3. *Calamagrostis canadensis*	10	☑	OBL
4. *Spiraea tomentosa*	5	☐	FACW
5.	0	☐	
6.	0	☐	
7.	0	☐	
8.	0	☐	
9.	0	☐	
10.	0	☐	
11.	0	☐	
12.	0	☐	
	50	= Total Cover	
Woody Vine Stratum (Plot size: 30' radius)			
1.	0	☐	
2.	0	☐	
3.	0	☐	
4.	0	☐	
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That are OBL, FACW, or FAC: 4 (A)

Total Number of Dominant Species Across All Strata: 4 (B)

Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)

Prevalence Index worksheet:

	Total % Cover of:	Multiply by:	
OBL species	45	x 1 =	45
FACW species	10	x 2 =	20
FAC species	0	x 3 =	0
FACU species	3	x 4 =	12
UPL species	0	x 5 =	0
Column Totals:	58 (A)		77 (B)

Prevalence Index = B/A = 1.328

Hydrophytic Vegetation Indicators:

- ☑ **Rapid Test for Hydrophytic Vegetation**
- ☑ **Dominance Test is > 50%**
- ☑ **Prevalence Index is ≤3.0** [1]
- ☐ **Morphological Adaptations** [1] **(Provide supporting data in Remarks or on a separate sheet)**
- ☐ **Problematic Hydrophytic Vegetation** [1] **(Explain)**

[1] **Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.**

Definitions of Vegetation Strata:

Tree - Woody plants, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1m) tall..

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine - All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? **Yes** ◉ **No** ○

Remarks: (Include photo numbers here or on a separate sheet.)

Vegetation meets wetland criteria.

*Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil

Sampling Point: Wet 7-1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)		%	Redox Features Color (moist)	%	Type [1]	Loc[2]	Texture	Remarks
0-20	7.5YR	2.5/2	100	-	-	-	-	Muck	

[1]Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains [2]Location: PL=Pore Lining. M=Matrix

Hydric Soil Indicators:

- [x] Histosol (A1)
- [ ] Histic Epipedon (A2)
- [ ] Black Histic (A3)
- [ ] Hydrogen Sulfide (A4)
- [ ] Stratified Layers (A5)
- [ ] Depleted Below Dark Surface (A11)
- [ ] Thick Dark Surface (A12)
- [ ] Sandy Muck Mineral (S1)
- [ ] Sandy Gleyed Matrix (S4)
- [ ] Sandy Redox (S5)
- [ ] Stripped Matrix (S6)
- [ ] Dark Surface (S7) (LRR R, MLRA 149B)
- [ ] Polyvalue Below Surface (S8) (LRR R, MLRA 149B)
- [ ] Thin Dark Surface (S9) (LRR R, MLRA 149B)
- [ ] Loamy Mucky Mineral (F1) LRR K, L)
- [ ] Loamy Gleyed Matrix (F2)
- [ ] Depleted Matrix (F3)
- [ ] Redox Dark Surface (F6)
- [ ] Depleted Dark Surface (F7)
- [ ] Redox Depressions (F8)

Indicators for Problematic Hydric Soils : [3]

- [ ] 2 cm Muck (A10) (LRR K, L, MLRA 149B)
- [ ] Coast Prairie Redox (A16) (LRR K, L, R)
- [ ] 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
- [ ] Dark Surface (S7) (LRR K, L, M)
- [ ] Polyvalue Below Surface (S8) (LRR K, L)
- [ ] Thin Dark Surface (S9) (LRR K, L)
- [ ] Iron-Manganese Masses (F12) (LRR K, L, R)
- [ ] Piedmont Floodplain Soils (F19) (MLRA 149B)
- [ ] Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
- [ ] Red Parent Material (F21)
- [ ] Very Shallow Dark Surface (TF12)
- [ ] Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ◉ No ○

Remarks:

Soils meet hydric soil criteria.

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Lake Forest Condominiums **City/County:** Town of Washington, Vilas Co. **Sampling Date:** 22-May-23

Applicant/Owner: Dalmark Development Group, LLC **State:** WI **Sampling Point:** Up 7-1

Investigator(s): Ann Key, WDNR Prof. Assured **Section, Township, Range: S.** 24 **T.** T40N **R.** 10E

Landform (hillslope, terrace, etc.): Sideslope **Local relief (concave, convex, none):** convex **Slope:** 12.0 % / 6.8 °

Subregion (LRR or MLRA): LRR K **Lat.:** 45.9315798976 **Long.:** -89.1869758485 **Datum:** WGS84

Soil Map Unit Name: Sayner-Rubicon complex; 6 to 15 percent slopes **NWI classification:**

Are climatic/hydrologic conditions on the site typical for this time of year? Yes ○ No ◉ **(If no, explain in Remarks.)**

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **significantly disturbed?** **Are "Normal Circumstances" present?** Yes ◉ No ○

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **naturally problematic?** **(If needed, explain any answers in Remarks.)**

Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ○ No ◉	**Is the Sampled Area within a Wetland?**	Yes ○ No ◉
Hydric Soil Present?	Yes ○ No ◉		
Wetland Hydrology Present?	Yes ○ No ◉		

Remarks: (Explain alternative procedures here or in a separate report.)

No recent disturbances were observed and the area was considered to have normal circumstances.

Hydrology

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15)
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of 2 required)

- ☐ Surface Soil Cracks (B6)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Stunted or Stressed Plants (D1)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ Microtopographic Relief (D4)
- ☐ FAC-neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ○ No ◉	Depth (inches):	
Water Table Present?	Yes ○ No ◉	Depth (inches):	
Saturation Present? (includes capillary fringe)	Yes ○ No ◉	Depth (inches):	**Wetland Hydrology Present?** Yes ○ No ◉

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

The APT summarized data from local weather stations and determined climatic conditions were wetter than normal for the time of the site visit. This sample plot does not meet wetland hydrology criteria.

VEGETATION - Use scientific names of plants.

Sampling Point: Up 7-1

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Quercus rubra*	30	☑	FACU
2. *Populus tremuloides (NGL)*	30	☑	FAC
3. *Betula papyrifera*	15	☐	FACU
4. *Acer rubrum*	10	☐	FAC
5.	0	☐	
6.	0	☐	
7.	0	☐	
	85	**= Total Cover**	
Sapling/Shrub Stratum (Plot size: 15' radius)			
1. *Abies balsamea*	10	☑	FAC
2. *Pinus strobus*	5	☑	FACU
3.	0	☐	
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
	15	**= Total Cover**	
Herb Stratum (Plot size: 5' radius)			
1. *Bromus pubescens*	15	☑	FACU
2. *Linaria vulgaris*	10	☑	UPL
3. *Gymnocarpium dryopteris*	5	☐	FACU
4. *Pinus strobus*	3	☐	FACU
5.	0	☐	
6.	0	☐	
7.	0	☐	
8.	0	☐	
9.	0	☐	
10.	0	☐	
11.	0	☐	
12.	0	☐	
	33	**= Total Cover**	
Woody Vine Stratum (Plot size: 30' radius)			
1.	0	☐	
2.	0	☐	
3.	0	☐	
4.	0	☐	
	0	**= Total Cover**	

Dominance Test worksheet:

Number of Dominant Species That are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 6 (B)

Percent of dominant Species That Are OBL, FACW, or FAC: 33.3% (A/B)

Prevalence Index worksheet:

	Total % Cover of:	Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	50	x 3 =	150
FACU species	73	x 4 =	292
UPL species	10	x 5 =	50
Column Totals:	133 (A)		492 (B)

Prevalence Index = B/A = 3.699

Hydrophytic Vegetation Indicators:

- ☐ **Rapid Test for Hydrophytic Vegetation**
- ☐ **Dominance Test is > 50%**
- ☐ **Prevalence Index is ≤3.0** [1]
- ☐ **Morphological Adaptations** [1] **(Provide supporting data in Remarks or on a separate sheet)**
- ☐ **Problematic Hydrophytic Vegetation** [1] **(Explain)**

[1] **Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.**

Definitions of Vegetation Strata:

Tree - Woody plants, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1m) tall..

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine - All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? **Yes** ○ **No** ◉

Remarks: (Include photo numbers here or on a separate sheet.)

Vegetation does not meet wetland criteria.

*Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil

Sampling Point: Up 7-1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)		%	Redox Features Color (moist)	%	Type [1]	Loc[2]	Texture	Remarks
0-6	7.5YR	3/1	100	-	-	-	-	Sandy Loam	
6-20	7.5YR	4/4	100	-	-	-	-	Loamy Sand	

[1]Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains [2]Location: PL=Pore Lining. M=Matrix

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Muck Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) (LRR R, MLRA 149B)
- ☐ Polyvalue Below Surface (S8) (LRR R, MLRA 149B)
- ☐ Thin Dark Surface (S9) (LRR R, MLRA 149B)
- ☐ Loamy Mucky Mineral (F1) LRR K, L)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils : [3]

- ☐ 2 cm Muck (A10) (LRR K, L, MLRA 149B)
- ☐ Coast Prairie Redox (A16) (LRR K, L, R)
- ☐ 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
- ☐ Dark Surface (S7) (LRR K, L, M)
- ☐ Polyvalue Below Surface (S8) (LRR K, L)
- ☐ Thin Dark Surface (S9) (LRR K, L)
- ☐ Iron-Manganese Masses (F12) (LRR K, L, R)
- ☐ Piedmont Floodplain Soils (F19) (MLRA 149B)
- ☐ Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
- ☐ Red Parent Material (F21)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ○ No ◉

Remarks:

Soils do not meet hydric soil criteria.

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Lake Forest Condominiums **City/County:** Town of Washington, Vilas Co. **Sampling Date:** 22-May-23

Applicant/Owner: Dalmark Development Group, LLC **State:** WI **Sampling Point:** **Wet 8-1**

Investigator(s): Ann Key, WDNR Prof. Assured **Section, Township, Range: S.** 24 **T.** T40N **R.** 10E

Landform (hillslope, terrace, etc.): Toeslope **Local relief (concave, convex, none):** concave **Slope:** 0.0 % / 0.0 °

Subregion (LRR or MLRA): LRR K **Lat.:** 45.9303420476 **Long.:** -89.1878858317 **Datum:** WGS84

Soil Map Unit Name: Cublake loamy sand; 0 to 4 percent slopes **NWI classification:**

Are climatic/hydrologic conditions on the site typical for this time of year? Yes ○ No ◉ **(If no, explain in Remarks.)**

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **significantly disturbed?** **Are "Normal Circumstances" present?** Yes ◉ No ○

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **naturally problematic?** **(If needed, explain any answers in Remarks.)**

Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ◉ No ○	**Is the Sampled Area within a Wetland?**	Yes ◉ No ○
Hydric Soil Present?	Yes ◉ No ○		
Wetland Hydrology Present?	Yes ◉ No ○		

Remarks: (Explain alternative procedures here or in a separate report.)

No recent disturbances were observed and the area was considered to have normal circumstances. This wetland is classified as a Wooded Swamp/Bog community.

Hydrology

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☑ Surface Water (A1)
- ☑ High Water Table (A2)
- ☑ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☑ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15)
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of 2 required)

- ☐ Surface Soil Cracks (B6)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Stunted or Stressed Plants (D1)
- ☑ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ Microtopographic Relief (D4)
- ☑ FAC-neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ◉ No ○	Depth (inches):	5
Water Table Present?	Yes ◉ No ○	Depth (inches):	0
Saturation Present? (includes capillary fringe)	Yes ◉ No ○	Depth (inches):	0

Wetland Hydrology Present? Yes ◉ No ○

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

The APT summarized data from local weather stations and determined climatic conditions were wetter than normal for the time of the site visit. This sample plot meets wetland hydrology criteria.

VEGETATION - Use scientific names of plants.

Sampling Point: Wet 8-1

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Larix laricina*	20	☑	FACW
2. *Picea mariana*	10	☑	FACW
3. *Acer rubrum*	10	☑	FAC
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
	40	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15' radius)			
1. *Picea mariana*	15	☑	FACW
2. *Alnus incana ssp. rugosa*	10	☑	FACW
3. *Abies balsamea*	3	☐	FAC
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
	28	= Total Cover	
Herb Stratum (Plot size: 5' radius)			
1. *Sphagnum magellanicum*	85	☑	OBL
2. *Ledum groenlandicum*	15	☐	OBL
3. *Carex disperma*	15	☐	OBL
4. *Carex brunnescens*	10	☐	FACW
5. *Trientalis borealis*	2	☐	FAC
6.	0	☐	
7.	0	☐	
8.	0	☐	
9.	0	☐	
10.	0	☐	
11.	0	☐	
12.	0	☐	
	127	= Total Cover	
Woody Vine Stratum (Plot size: 30' radius)			
1.	0	☐	
2.	0	☐	
3.	0	☐	
4.	0	☐	
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That are OBL, FACW, or FAC: 6 (A)

Total Number of Dominant Species Across All Strata: 6 (B)

Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)

Prevalence Index worksheet:

	Total % Cover of:	Multiply by:	
OBL species	115	x 1 =	115
FACW species	65	x 2 =	130
FAC species	15	x 3 =	45
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	195 (A)		290 (B)

Prevalence Index = B/A = 1.487

Hydrophytic Vegetation Indicators:

- ☐ **Rapid Test for Hydrophytic Vegetation**
- ☑ **Dominance Test is > 50%**
- ☑ **Prevalence Index is ≤3.0** [1]
- ☐ **Morphological Adaptations** [1] **(Provide supporting data in Remarks or on a separate sheet)**
- ☐ **Problematic Hydrophytic Vegetation** [1] **(Explain)**

[1] **Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.**

Definitions of Vegetation Strata:

Tree - Woody plants, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1m) tall..

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine - All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? **Yes** ◉ **No** ○

Remarks: (Include photo numbers here or on a separate sheet.)

Vegetation meets wetland criteria.

*Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil

Sampling Point: Wet 8-1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)		%	Redox Features Color (moist)	%	Type [1]	Loc[2]	Texture	Remarks
0-10	7.5YR	2.5/1	100	-	-	-	-	Muck	
10-20	7.5YR	6/1	100	-	-	-	-	Loamy Sand	

[1] Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains [2] Location: PL=Pore Lining. M=Matrix

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☑ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☑ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Muck Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) (LRR R, MLRA 149B)
- ☐ Polyvalue Below Surface (S8) (LRR R, MLRA 149B)
- ☐ Thin Dark Surface (S9) (LRR R, MLRA 149B)
- ☐ Loamy Mucky Mineral (F1) LRR K, L)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils : [3]

- ☐ 2 cm Muck (A10) (LRR K, L, MLRA 149B)
- ☐ Coast Prairie Redox (A16) (LRR K, L, R)
- ☐ 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
- ☐ Dark Surface (S7) (LRR K, L, M)
- ☐ Polyvalue Below Surface (S8) (LRR K, L)
- ☐ Thin Dark Surface (S9) (LRR K, L)
- ☐ Iron-Manganese Masses (F12) (LRR K, L, R)
- ☐ Piedmont Floodplain Soils (F19) (MLRA 149B)
- ☐ Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
- ☐ Red Parent Material (F21)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ◉ No ○

Remarks:

Soils meet hydric soil criteria.

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Lake Forest Condominiums **City/County:** Town of Washington, Vilas Co. **Sampling Date:** 22-May-23

Applicant/Owner: Dalmark Development Group, LLC **State:** WI **Sampling Point:** Up 8-1

Investigator(s): Ann Key, WDNR Prof. Assured **Section, Township, Range: S.** 24 **T.** T40N **R.** 10E

Landform (hillslope, terrace, etc.): Sideslope **Local relief (concave, convex, none):** linear **Slope:** 15.0 % / 8.5 °

Subregion (LRR or MLRA): LRR K **Lat.:** 45.9302487633 **Long.:** -89.1878031590 **Datum:** WGS84

Soil Map Unit Name: Cublake loamy sand; 0 to 4 percent slopes **NWI classification:**

Are climatic/hydrologic conditions on the site typical for this time of year? Yes ○ No ◉ **(If no, explain in Remarks.)**

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **significantly disturbed?** **Are "Normal Circumstances" present?** Yes ◉ No ○

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **naturally problematic?** **(If needed, explain any answers in Remarks.)**

Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ◉ No ○	**Is the Sampled Area within a Wetland?**	Yes ○ No ◉
Hydric Soil Present?	Yes ○ No ◉		
Wetland Hydrology Present?	Yes ○ No ◉		

Remarks: (Explain alternative procedures here or in a separate report.)

No recent disturbances were observed and the area was considered to have normal circumstances.

Hydrology

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15)
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of 2 required)

- ☐ Surface Soil Cracks (B6)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Stunted or Stressed Plants (D1)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ Microtopographic Relief (D4)
- ☐ FAC-neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ○ No ◉	Depth (inches):	
Water Table Present?	Yes ○ No ◉	Depth (inches):	
Saturation Present? (includes capillary fringe)	Yes ○ No ◉	Depth (inches):	**Wetland Hydrology Present?** Yes ○ No ◉

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

The APT summarized data from local weather stations and determined climatic conditions were wetter than normal for the time of the site visit. This sample plot does not meet wetland hydrology criteria.

VEGETATION - Use scientific names of plants.

Sampling Point: Up 8-1

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Abies balsamea*	40	☑	FAC
2. *Acer rubrum*	20	☑	FAC
3.	0	☐	
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
	60	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15' radius)			
1. *Abies balsamea*	60	☑	FAC
2.	0	☐	
3.	0	☐	
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
	60	= Total Cover	
Herb Stratum (Plot size: 5' radius)			
1. *Lycopodium clavatum*	15	☑	FAC
2. *Carex pensylvanica*	5	☑	UPL
3. *Maianthemum canadense*	5	☑	FACU
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
8.	0	☐	
9.	0	☐	
10.	0	☐	
11.	0	☐	
12.	0	☐	
	25	= Total Cover	
Woody Vine Stratum (Plot size: 30' radius)			
1.	0	☐	
2.	0	☐	
3.	0	☐	
4.	0	☐	
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That are OBL, FACW, or FAC: 4 (A)

Total Number of Dominant Species Across All Strata: 6 (B)

Percent of dominant Species That Are OBL, FACW, or FAC: 66.7% (A/B)

Prevalence Index worksheet:

	Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0	
FACW species	0	x 2 =	0	
FAC species	135	x 3 =	405	
FACU species	5	x 4 =	20	
UPL species	5	x 5 =	25	
Column Totals:	145	(A)	450	(B)

Prevalence Index = B/A = 3.103

Hydrophytic Vegetation Indicators:

- ☐ **Rapid Test for Hydrophytic Vegetation**
- ☑ **Dominance Test is > 50%**
- ☐ **Prevalence Index is ≤3.0** [1]
- ☐ **Morphological Adaptations** [1] **(Provide supporting data in Remarks or on a separate sheet)**
- ☐ **Problematic Hydrophytic Vegetation** [1] **(Explain)**

[1] **Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.**

Definitions of Vegetation Strata:

Tree - Woody plants, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1m) tall..

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine - All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? **Yes** ◉ **No** ○

Remarks: (Include photo numbers here or on a separate sheet.)

Vegetation meets wetland criteria due to FAC species but soils were not hydric, no hydrology indicators were observed and topographic position was indicative of upland conditions.

*Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil

Sampling Point: Up 8-1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)		%	Redox Features Color (moist)		%	Type [1]	Loc[2]	Texture	Remarks
0-5	7.5YR	3/2	100	-	-	-	-	-	Sandy Loam	
5-6	7.5YR	5/2	100	-	-	-	-	-	Loamy Sand	E Horizon
6-20	7.5YR	4/4	100	-	-	-	-	-	Loamy Sand	

[1]Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains [2]Location: PL=Pore Lining. M=Matrix

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Muck Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) (LRR R, MLRA 149B)
- ☐ Polyvalue Below Surface (S8) (LRR R, MLRA 149B)
- ☐ Thin Dark Surface (S9) (LRR R, MLRA 149B)
- ☐ Loamy Mucky Mineral (F1) LRR K, L)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils : [3]

- ☐ 2 cm Muck (A10) (LRR K, L, MLRA 149B)
- ☐ Coast Prairie Redox (A16) (LRR K, L, R)
- ☐ 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
- ☐ Dark Surface (S7) (LRR K, L, M)
- ☐ Polyvalue Below Surface (S8) (LRR K, L)
- ☐ Thin Dark Surface (S9) (LRR K, L)
- ☐ Iron-Manganese Masses (F12) (LRR K, L, R)
- ☐ Piedmont Floodplain Soils (F19) (MLRA 149B)
- ☐ Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
- ☐ Red Parent Material (F21)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ○ No ◉

Remarks:

Soils do not meet hydric soil criteria.

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Lake Forest Condominiums **City/County:** Town of Washington, Vilas Co. **Sampling Date:** 22-May-23

Applicant/Owner: Dalmark Development Group, LLC **State:** WI **Sampling Point:** **Wet 9-1**

Investigator(s): Ann Key, WDNR Prof. Assured **Section, Township, Range: S.** 25 **T.** T40N **R.** 10E

Landform (hillslope, terrace, etc.): Toeslope **Local relief (concave, convex, none):** concave **Slope:** 0.0 % / 0.0 °

Subregion (LRR or MLRA): LRR K **Lat.:** 45.9282114008 **Long.:** -89.1947712464 **Datum:** WGS84

Soil Map Unit Name: Sayner-Rubicon complex; 15 to 35 percent slopes **NWI classification:**

Are climatic/hydrologic conditions on the site typical for this time of year? Yes ○ No ◉ **(If no, explain in Remarks.)**

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **significantly disturbed?** **Are "Normal Circumstances" present?** Yes ◉ No ○

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **naturally problematic?** **(If needed, explain any answers in Remarks.)**

Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ◉ No ○	**Is the Sampled Area within a Wetland?**	Yes ◉ No ○
Hydric Soil Present?	Yes ◉ No ○		
Wetland Hydrology Present?	Yes ◉ No ○		

Remarks: (Explain alternative procedures here or in a separate report.)

No recent disturbances were observed and the area was considered to have normal circumstances. This wetland is classified as a Wet Meadow community.

Hydrology

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☑ Surface Water (A1)
- ☑ High Water Table (A2)
- ☑ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☑ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15)
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of 2 required)

- ☐ Surface Soil Cracks (B6)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Stunted or Stressed Plants (D1)
- ☑ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ Microtopographic Relief (D4)
- ☐ FAC-neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ◉ No ○	Depth (inches):	9
Water Table Present?	Yes ◉ No ○	Depth (inches):	0
Saturation Present? (includes capillary fringe)	Yes ◉ No ○	Depth (inches):	0

Wetland Hydrology Present? Yes ◉ No ○

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

The APT summarized data from local weather stations and determined climatic conditions were wetter than normal for the time of the site visit. This sample plot meets wetland hydrology criteria.

VEGETATION - Use scientific names of plants.

Sampling Point: Wet 9-1

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Betula alleghaniensis*	20	☑	FAC
2.	0	☐	
3.	0	☐	
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
	20	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15' radius)			
1. *Pinus strobus*	5	☑	FACU
2. *Acer rubrum*	5	☑	FAC
3.	0	☐	
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
	10	= Total Cover	
Herb Stratum (Plot size: 5' radius)			
1. *Calla palustris*	35	☑	OBL
2. *Carex brunnescens*	5	☐	FACW
3.	0	☐	
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
8.	0	☐	
9.	0	☐	
10.	0	☐	
11.	0	☐	
12.	0	☐	
	40	= Total Cover	
Woody Vine Stratum (Plot size: 30' radius)			
1.	0	☐	
2.	0	☐	
3.	0	☐	
4.	0	☐	
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That are OBL, FACW, or FAC: 3 (A)

Total Number of Dominant Species Across All Strata: 4 (B)

Percent of dominant Species That Are OBL, FACW, or FAC: 75.0% (A/B)

Prevalence Index worksheet:

	Total % Cover of:	Multiply by:		
OBL species	35	x 1 =	35	
FACW species	5	x 2 =	10	
FAC species	25	x 3 =	75	
FACU species	5	x 4 =	20	
UPL species	0	x 5 =	0	
Column Totals:	70	(A)	140	(B)

Prevalence Index = B/A = 2.000

Hydrophytic Vegetation Indicators:

- ☐ **Rapid Test for Hydrophytic Vegetation**
- ☑ **Dominance Test is > 50%**
- ☑ **Prevalence Index is ≤3.0** [1]
- ☐ **Morphological Adaptations** [1] **(Provide supporting data in Remarks or on a separate sheet)**
- ☐ **Problematic Hydrophytic Vegetation** [1] **(Explain)**

[1] **Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.**

Definitions of Vegetation Strata:

Tree - Woody plants, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1m) tall..

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine - All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? **Yes** ◉ **No** ○

Remarks: (Include photo numbers here or on a separate sheet.)

Vegetation meets wetland criteria.

*Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil

Sampling Point: Wet 9-1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)		%	Redox Features Color (moist)	%	Type [1]	Loc[2]	Texture	Remarks
0-10	7.5YR	2.5/1	100	-	-	-	-	Mucky Sand	
10-20	7.5YR	4/2	100	-	-	-	-	Sand	

[1]Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains [2]Location: PL=Pore Lining. M=Matrix

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☑ Sandy Muck Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) (LRR R, MLRA 149B)
- ☐ Polyvalue Below Surface (S8) (LRR R, MLRA 149B)
- ☐ Thin Dark Surface (S9) (LRR R, MLRA 149B)
- ☐ Loamy Mucky Mineral (F1) LRR K, L)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils : [3]

- ☐ 2 cm Muck (A10) (LRR K, L, MLRA 149B)
- ☐ Coast Prairie Redox (A16) (LRR K, L, R)
- ☐ 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
- ☐ Dark Surface (S7) (LRR K, L, M)
- ☐ Polyvalue Below Surface (S8) (LRR K, L)
- ☐ Thin Dark Surface (S9) (LRR K, L)
- ☐ Iron-Manganese Masses (F12) (LRR K, L, R)
- ☐ Piedmont Floodplain Soils (F19) (MLRA 149B)
- ☐ Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
- ☐ Red Parent Material (F21)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ◉ No ○

Remarks:

Soils meet hydric soil criteria.

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Lake Forest Condominiums **City/County:** Town of Washington, Vilas Co. **Sampling Date:** 22-May-23

Applicant/Owner: Dalmark Development Group, LLC **State:** WI **Sampling Point:** Up 9-1

Investigator(s): Ann Key, WDNR Prof. Assured **Section, Township, Range: S.** 24 **T.** T40N **R.** 10E

Landform (hillslope, terrace, etc.): Sideslope **Local relief (concave, convex, none):** linear **Slope:** 15.0 % / 8.5 °

Subregion (LRR or MLRA): LRR K **Lat.:** 45.9282418792 **Long.:** -89.1949222317 **Datum:** WGS84

Soil Map Unit Name: Sayner-Rubicon complex; 15 to 35 percent slopes **NWI classification:**

Are climatic/hydrologic conditions on the site typical for this time of year? Yes ○ No ◉ **(If no, explain in Remarks.)**

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **significantly disturbed?** **Are "Normal Circumstances" present?** Yes ◉ No ○

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **naturally problematic?** **(If needed, explain any answers in Remarks.)**

Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ○ No ◉	**Is the Sampled Area within a Wetland?**	Yes ○ No ◉
Hydric Soil Present?	Yes ○ No ◉		
Wetland Hydrology Present?	Yes ○ No ◉		

Remarks: (Explain alternative procedures here or in a separate report.)

No recent disturbances were observed and the area was considered to have normal circumstances.

Hydrology

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15)
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of 2 required)

- ☐ Surface Soil Cracks (B6)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Stunted or Stressed Plants (D1)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ Microtopographic Relief (D4)
- ☐ FAC-neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ○ No ◉	Depth (inches):	
Water Table Present?	Yes ○ No ◉	Depth (inches):	
Saturation Present? (includes capillary fringe)	Yes ○ No ◉	Depth (inches):	**Wetland Hydrology Present?** Yes ○ No ◉

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

The APT summarized data from local weather stations and determined climatic conditions were wetter than normal for the time of the site visit. This sample plot does not meet wetland hydrology criteria.

VEGETATION - Use scientific names of plants.

Sampling Point: Up 9-1

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Acer rubrum*	70	☑	FAC
2. *Betula papyrifera*	25	☑	FACU
3.	0	☐	
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
	95	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15' radius)			
1. *Acer rubrum*	10	☑	FAC
2. *Pinus strobus*	10	☑	FACU
3.	0	☐	
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
	20	= Total Cover	
Herb Stratum (Plot size: 5' radius)			
1. *Carex hirtifolia*	20	☑	UPL
2. *Dichanthelium xanthophysum*	15	☑	UPL
3. *Dendrolycopodium obscurum*	15	☑	FACU
4. *Pinus strobus*	5	☐	FACU
5.	0	☐	
6.	0	☐	
7.	0	☐	
8.	0	☐	
9.	0	☐	
10.	0	☐	
11.	0	☐	
12.	0	☐	
	55	= Total Cover	
Woody Vine Stratum (Plot size: 30' radius)			
1.	0	☐	
2.	0	☐	
3.	0	☐	
4.	0	☐	
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 7 (B)

Percent of dominant Species That Are OBL, FACW, or FAC: 28.6% (A/B)

Prevalence Index worksheet:

	Total % Cover of:	Multiply by:	
OBL species	0	x 1 =	0
FACW species	0	x 2 =	0
FAC species	80	x 3 =	240
FACU species	55	x 4 =	220
UPL species	35	x 5 =	175
Column Totals:	170 (A)		635 (B)

Prevalence Index = B/A = 3.735

Hydrophytic Vegetation Indicators:

- ☐ **Rapid Test for Hydrophytic Vegetation**
- ☐ **Dominance Test is > 50%**
- ☐ **Prevalence Index is ≤3.0** [1]
- ☐ **Morphological Adaptations** [1] **(Provide supporting data in Remarks or on a separate sheet)**
- ☐ **Problematic Hydrophytic Vegetation** [1] **(Explain)**

[1] **Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.**

Definitions of Vegetation Strata:

Tree - Woody plants, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1m) tall..

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine - All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ○ No ◉

Remarks: (Include photo numbers here or on a separate sheet.)

Vegetation does not meet wetland criteria.

*Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil

Sampling Point: Up 9-1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)		%	Redox Features Color (moist)	%	Type [1]	Loc[2]	Texture	Remarks
0-2	7.5YR	3/2	100	-	-	-	-	Sandy Loam	
2-20	7.5YR	4/6	100	-	-	-	-	Loamy Sand	

[1]Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains [2]Location: PL=Pore Lining. M=Matrix

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Muck Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) (LRR R, MLRA 149B)
- ☐ Polyvalue Below Surface (S8) (LRR R, MLRA 149B)
- ☐ Thin Dark Surface (S9) (LRR R, MLRA 149B)
- ☐ Loamy Mucky Mineral (F1) LRR K, L)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils : [3]

- ☐ 2 cm Muck (A10) (LRR K, L, MLRA 149B)
- ☐ Coast Prairie Redox (A16) (LRR K, L, R)
- ☐ 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
- ☐ Dark Surface (S7) (LRR K, L, M)
- ☐ Polyvalue Below Surface (S8) (LRR K, L)
- ☐ Thin Dark Surface (S9) (LRR K, L)
- ☐ Iron-Manganese Masses (F12) (LRR K, L, R)
- ☐ Piedmont Floodplain Soils (F19) (MLRA 149B)
- ☐ Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
- ☐ Red Parent Material (F21)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ○ No ◉

Remarks:

Soils do not meet hydric soil criteria.

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Lake Forest Condominiums **City/County:** Town of Washington, Vilas Co. **Sampling Date:** 22-May-23

Applicant/Owner: Dalmark Development Group, LLC **State:** WI **Sampling Point:** **Wet 10-1**

Investigator(s): Ann Key, WDNR Prof. Assured **Section, Township, Range: S.** 24 **T.** T40N **R.** 10E

Landform (hillslope, terrace, etc.): Toeslope **Local relief (concave, convex, none):** concave **Slope:** 0.0 % / 0.0 °

Subregion (LRR or MLRA): LRR K **Lat.:** 45.9307426245 **Long.:** -89.1919092617 **Datum:** WGS84

Soil Map Unit Name: Sayner-Rubicon complex; 15 to 35 percent slopes **NWI classification:**

Are climatic/hydrologic conditions on the site typical for this time of year? Yes ○ No ◉ **(If no, explain in Remarks.)**

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **significantly disturbed?** **Are "Normal Circumstances" present?** Yes ◉ No ○

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **naturally problematic?** **(If needed, explain any answers in Remarks.)**

Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ◉ No ○	**Is the Sampled Area within a Wetland?**	Yes ◉ No ○
Hydric Soil Present?	Yes ◉ No ○		
Wetland Hydrology Present?	Yes ◉ No ○		

Remarks: (Explain alternative procedures here or in a separate report.)

No recent disturbances were observed and the area was considered to have normal circumstances. This wetland is classified as a Wet Meadow community.

Hydrology

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☑ Surface Water (A1)
- ☑ High Water Table (A2)
- ☑ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15)
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of 2 required)

- ☐ Surface Soil Cracks (B6)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Stunted or Stressed Plants (D1)
- ☑ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ Microtopographic Relief (D4)
- ☑ FAC-neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ◉ No ○	Depth (inches):	7
Water Table Present?	Yes ◉ No ○	Depth (inches):	0
Saturation Present? (includes capillary fringe)	Yes ◉ No ○	Depth (inches):	0

Wetland Hydrology Present? Yes ◉ No ○

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

The APT summarized data from local weather stations and determined climatic conditions were wetter than normal for the time of the site visit. This sample plot meets wetland hydrology criteria.

VEGETATION - Use scientific names of plants.

Sampling Point: Wet 10-1

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status
1.	0	☐	
2.	0	☐	
3.	0	☐	
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
	0	**= Total Cover**	
Sapling/Shrub Stratum (Plot size: 15' radius)			
1.	0	☐	
2.	0	☐	
3.	0	☐	
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
	0	**= Total Cover**	
Herb Stratum (Plot size: 5' radius)			
1. *Calamagrostis canadensis*	40	☑	OBL
2. *Onoclea sensibilis*	25	☑	FACW
3. *Carex lacustris*	15	☐	OBL
4. *Typha latifolia*	15	☐	OBL
5.	0	☐	
6.	0	☐	
7.	0	☐	
8.	0	☐	
9.	0	☐	
10.	0	☐	
11.	0	☐	
12.	0	☐	
	95	**= Total Cover**	
Woody Vine Stratum (Plot size: 30' radius)			
1.	0	☐	
2.	0	☐	
3.	0	☐	
4.	0	☐	
	0	**= Total Cover**	

Dominance Test worksheet:

Number of Dominant Species That are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of dominant Species That Are OBL, FACW, or FAC: 100.0% (A/B)

Prevalence Index worksheet:

	Total % Cover of:	Multiply by:	
OBL species	70	x 1 =	70
FACW species	25	x 2 =	50
FAC species	0	x 3 =	0
FACU species	0	x 4 =	0
UPL species	0	x 5 =	0
Column Totals:	95 (A)		120 (B)

Prevalence Index = B/A = 1.263

Hydrophytic Vegetation Indicators:

- ☑ **Rapid Test for Hydrophytic Vegetation**
- ☑ **Dominance Test is > 50%**
- ☑ **Prevalence Index is ≤3.0** [1]
- ☐ **Morphological Adaptations** [1] **(Provide supporting data in Remarks or on a separate sheet)**
- ☐ **Problematic Hydrophytic Vegetation** [1] **(Explain)**

[1] **Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.**

Definitions of Vegetation Strata:

Tree - Woody plants, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1m) tall..

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine - All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? **Yes** ◉ **No** ○

Remarks: (Include photo numbers here or on a separate sheet.)

Vegetation meets wetland criteria.

*Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil

Sampling Point: Wet 10-1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)		%	Redox Features Color (moist)	%	Type [1]	Loc[2]	Texture	Remarks
0-4	7.5YR	2.5/1	100	-	-	-	-	Mucky Sand	
4-20	7.5YR	3/2	100	-	-	-	-	Sandy Loam	

[1] Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains [2] Location: PL=Pore Lining. M=Matrix

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☑ Sandy Muck Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) (LRR R, MLRA 149B)
- ☐ Polyvalue Below Surface (S8) (LRR R, MLRA 149B)
- ☐ Thin Dark Surface (S9) (LRR R, MLRA 149B)
- ☐ Loamy Mucky Mineral (F1) LRR K, L)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils : [3]

- ☐ 2 cm Muck (A10) (LRR K, L, MLRA 149B)
- ☐ Coast Prairie Redox (A16) (LRR K, L, R)
- ☐ 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
- ☐ Dark Surface (S7) (LRR K, L, M)
- ☐ Polyvalue Below Surface (S8) (LRR K, L)
- ☐ Thin Dark Surface (S9) (LRR K, L)
- ☐ Iron-Manganese Masses (F12) (LRR K, L, R)
- ☐ Piedmont Floodplain Soils (F19) (MLRA 149B)
- ☐ Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
- ☐ Red Parent Material (F21)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ◉ No ○

Remarks:

Soils meet hydric soil criteria.

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Lake Forest Condominiums **City/County:** Town of Washington, Vilas Co. **Sampling Date:** 22-May-23

Applicant/Owner: Dalmark Development Group, LLC **State:** WI **Sampling Point:** **Up 10-1**

Investigator(s): Ann Key, WDNR Prof. Assured **Section, Township, Range: S.** 24 **T.** T40N **R.** 10E

Landform (hillslope, terrace, etc.): Sideslope **Local relief (concave, convex, none):** linear **Slope:** 25.0 % / 14.0 °

Subregion (LRR or MLRA): LRR K **Lat.:** 45.9308522169 **Long.:** -89.1919155883 **Datum:** WGS84

Soil Map Unit Name: Sayner-Rubicon complex; 15 to 35 percent slopes **NWI classification:**

Are climatic/hydrologic conditions on the site typical for this time of year? Yes ○ No ◉ **(If no, explain in Remarks.)**

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **significantly disturbed?** **Are "Normal Circumstances" present?** Yes ◉ No ○

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **naturally problematic?** **(If needed, explain any answers in Remarks.)**

Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ○ No ◉	**Is the Sampled Area within a Wetland?**	Yes ○ No ◉
Hydric Soil Present?	Yes ○ No ◉		
Wetland Hydrology Present?	Yes ○ No ◉		

Remarks: (Explain alternative procedures here or in a separate report.)

No recent disturbances were observed and the area was considered to have normal circumstances.

Hydrology

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15)
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of 2 required)

- ☐ Surface Soil Cracks (B6)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Stunted or Stressed Plants (D1)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ Microtopographic Relief (D4)
- ☐ FAC-neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ○ No ◉	Depth (inches):	
Water Table Present?	Yes ○ No ◉	Depth (inches):	
Saturation Present? (includes capillary fringe)	Yes ○ No ◉	Depth (inches):	**Wetland Hydrology Present?** Yes ○ No ◉

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

The APT summarized data from local weather stations and determined climatic conditions were wetter than normal for the time of the site visit. This sample plot does not meet wetland hydrology criteria.

VEGETATION - Use scientific names of plants.

Sampling Point: Up 10-1

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Acer rubrum*	60	☑	FAC
2. *Betula papyrifera*	30	☑	FACU
3. *Pinus strobus*	25	☐	FACU
4. *Quercus rubra*	25	☐	FACU
5.	0	☐	
6.	0	☐	
7.	0	☐	
	140	**= Total Cover**	
Sapling/Shrub Stratum (Plot size: 15' radius)			
1. *Pinus strobus*	20	☑	FACU
2. *Quercus rubra*	10	☑	FACU
3. *Acer rubrum*	10	☑	FAC
4. *Prunus serotina*	10	☑	FACU
5.	0	☐	
6.	0	☐	
7.	0	☐	
	50	**= Total Cover**	
Herb Stratum (Plot size: 5' radius)			
1. *Pteridium aquilinum*	20	☑	FACU
2. *Carex hirtifolia*	15	☑	UPL
3. *Dichanthelium xanthophysum*	10	☐	UPL
4. *Carex pensylvanica*	10	☐	UPL
5.	0	☐	
6.	0	☐	
7.	0	☐	
8.	0	☐	
9.	0	☐	
10.	0	☐	
11.	0	☐	
12.	0	☐	
	55	**= Total Cover**	
Woody Vine Stratum (Plot size: 30' radius)			
1.	0	☐	
2.	0	☐	
3.	0	☐	
4.	0	☐	
	0	**= Total Cover**	

Dominance Test worksheet:

Number of Dominant Species That are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 8 (B)

Percent of dominant Species That Are OBL, FACW, or FAC: 25.0% (A/B)

Prevalence Index worksheet:

	Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0	
FACW species	0	x 2 =	0	
FAC species	70	x 3 =	210	
FACU species	140	x 4 =	560	
UPL species	35	x 5 =	175	
Column Totals:	245	(A)	945	(B)

Prevalence Index = B/A = 3.857

Hydrophytic Vegetation Indicators:

- ☐ **Rapid Test for Hydrophytic Vegetation**
- ☐ **Dominance Test is > 50%**
- ☐ **Prevalence Index is ≤3.0** [1]
- ☐ **Morphological Adaptations** [1] **(Provide supporting data in Remarks or on a separate sheet)**
- ☐ **Problematic Hydrophytic Vegetation** [1] **(Explain)**

[1] **Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.**

Definitions of Vegetation Strata:

Tree - Woody plants, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1m) tall..

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine - All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? **Yes** ○ **No** ◉

Remarks: (Include photo numbers here or on a separate sheet.)

Vegetation does not meet wetland criteria.

*Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil

Sampling Point: Up 10-1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)		%	Redox Features Color (moist)	%	Type [1]	Loc[2]	Texture	Remarks
0-3	7.5YR	3/2	100	-	-	-	-	Sandy Loam	
3-20	7.5YR	4/4	100	-	-	-	-	Sandy Loam	

[1] Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains [2] Location: PL=Pore Lining. M=Matrix

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Muck Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) (LRR R, MLRA 149B)
- ☐ Polyvalue Below Surface (S8) (LRR R, MLRA 149B)
- ☐ Thin Dark Surface (S9) (LRR R, MLRA 149B)
- ☐ Loamy Mucky Mineral (F1) LRR K, L)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils : [3]

- ☐ 2 cm Muck (A10) (LRR K, L, MLRA 149B)
- ☐ Coast Prairie Redox (A16) (LRR K, L, R)
- ☐ 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
- ☐ Dark Surface (S7) (LRR K, L, M)
- ☐ Polyvalue Below Surface (S8) (LRR K, L)
- ☐ Thin Dark Surface (S9) (LRR K, L)
- ☐ Iron-Manganese Masses (F12) (LRR K, L, R)
- ☐ Piedmont Floodplain Soils (F19) (MLRA 149B)
- ☐ Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
- ☐ Red Parent Material (F21)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ○ No ◉

Remarks:

Soils do not meet hydric soil criteria.

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Lake Forest Condominiums **City/County:** Town of Washington, Vilas Co. **Sampling Date:** 22-May-23

Applicant/Owner: Dalmark Development Group, LLC **State:** WI **Sampling Point:** SP1

Investigator(s): Ann Key, WDNR Prof. Assured **Section, Township, Range: S.** 24 **T.** T40N **R.** 10E

Landform (hillslope, terrace, etc.): Footslope **Local relief (concave, convex, none):** concave **Slope:** 3.0 % / 1.7 °

Subregion (LRR or MLRA): LRR K **Lat.:** 45.9319921627 **Long.:** -89.1893147731 **Datum:** WGS84

Soil Map Unit Name: Gaastra silt loam; 0 to 2 percent slopes **NWI classification:**

Are climatic/hydrologic conditions on the site typical for this time of year? Yes ○ No ◉ **(If no, explain in Remarks.)**

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **significantly disturbed?** **Are "Normal Circumstances" present?** Yes ◉ No ○

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **naturally problematic?** **(If needed, explain any answers in Remarks.)**

Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ○ No ◉	**Is the Sampled Area within a Wetland?**	Yes ○ No ◉
Hydric Soil Present?	Yes ○ No ◉		
Wetland Hydrology Present?	Yes ○ No ◉		

Remarks: (Explain alternative procedures here or in a separate report.)

No recent disturbances were observed and the area was considered to have normal circumstances. This sample plot was taken to document upland conditions in an area mapped as having wetland indicator soils.

Hydrology

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15)
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of 2 required)

- ☐ Surface Soil Cracks (B6)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Stunted or Stressed Plants (D1)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ Microtopographic Relief (D4)
- ☐ FAC-neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ○ No ◉	Depth (inches):	
Water Table Present?	Yes ○ No ◉	Depth (inches):	
Saturation Present? (includes capillary fringe)	Yes ○ No ◉	Depth (inches):	**Wetland Hydrology Present?** Yes ○ No ◉

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

The APT summarized data from local weather stations and determined climatic conditions were wetter than normal for the time of the site visit. This sample plot does not meet wetland hydrology criteria.

VEGETATION - Use scientific names of plants.

Sampling Point: SP1

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Abies balsamea*	50	☑	FAC
2. *Acer rubrum*	25	☑	FAC
3.	0	☐	
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
	75	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15' radius)			
1. *Pinus strobus*	15	☑	FACU
2. *Abies balsamea*	5	☑	FAC
3.	0	☐	
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
	20	= Total Cover	
Herb Stratum (Plot size: 5' radius)			
1. *Carex hirtifolia*	10	☑	UPL
2. *Dichanthelium xanthophysum*	5	☑	UPL
3.		☐	
4.		☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
8.	0	☐	
9.	0	☐	
10.	0	☐	
11.	0	☐	
12.	0	☐	
	15	= Total Cover	
Woody Vine Stratum (Plot size: 30' radius)			
1.	0	☐	
2.	0	☐	
3.	0	☐	
4.	0	☐	
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That are OBL, FACW, or FAC: 3 (A)

Total Number of Dominant Species Across All Strata: 6 (B)

Percent of dominant Species That Are OBL, FACW, or FAC: 50.0% (A/B)

Prevalence Index worksheet:

	Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0	
FACW species	0	x 2 =	0	
FAC species	80	x 3 =	240	
FACU species	15	x 4 =	60	
UPL species	15	x 5 =	75	
Column Totals:	110	(A)	375	(B)

Prevalence Index = B/A = 3.409

Hydrophytic Vegetation Indicators:

- ☐ **Rapid Test for Hydrophytic Vegetation**
- ☐ **Dominance Test is > 50%**
- ☐ **Prevalence Index is ≤3.0** [1]
- ☐ **Morphological Adaptations** [1] **(Provide supporting data in Remarks or on a separate sheet)**
- ☐ **Problematic Hydrophytic Vegetation** [1] **(Explain)**

[1] **Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.**

Definitions of Vegetation Strata:

Tree - Woody plants, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1m) tall..

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine - All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ○ No ◉

Remarks: (Include photo numbers here or on a separate sheet.)

Vegetation does not meet wetland criteria.

*Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil

Sampling Point: SP1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)		%	Redox Features Color (moist)		%	Type [1]	Loc[2]	Texture	Remarks
0-1	7.5YR	3/2	100	-	-	-	-	-	Sandy Loam	
1-3	7.5YR	5/2	100	-	-	-	-	-	Loamy Sand	E Horizon
3-20	7.5YR	4/4	100	-	-	-	-	-	Loamy Sand	

[1]Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains [2]Location: PL=Pore Lining. M=Matrix

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Muck Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) (LRR R, MLRA 149B)
- ☐ Polyvalue Below Surface (S8) (LRR R, MLRA 149B)
- ☐ Thin Dark Surface (S9) (LRR R, MLRA 149B)
- ☐ Loamy Mucky Mineral (F1) LRR K, L)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils : [3]

- ☐ 2 cm Muck (A10) (LRR K, L, MLRA 149B)
- ☐ Coast Prairie Redox (A16) (LRR K, L, R)
- ☐ 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
- ☐ Dark Surface (S7) (LRR K, L, M)
- ☐ Polyvalue Below Surface (S8) (LRR K, L)
- ☐ Thin Dark Surface (S9) (LRR K, L)
- ☐ Iron-Manganese Masses (F12) (LRR K, L, R)
- ☐ Piedmont Floodplain Soils (F19) (MLRA 149B)
- ☐ Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
- ☐ Red Parent Material (F21)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ○ No ◉

Remarks:

Soils do not meet hydric soil criteria.

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Lake Forest Condominiums **City/County:** Town of Washington, Vilas Co. **Sampling Date:** 22-May-23

Applicant/Owner: Dalmark Development Group, LLC **State:** WI **Sampling Point:** SP2

Investigator(s): Ann Key, WDNR Prof. Assured **Section, Township, Range: S.** 24 **T.** T40N **R.** 10E

Landform (hillslope, terrace, etc.): Footslope **Local relief (concave, convex, none):** linear **Slope:** 2.0 % / 1.1 °

Subregion (LRR or MLRA): LRR K **Lat.:** 45.9243725090 **Long.:** -89.1968785128 **Datum:** WGS84

Soil Map Unit Name: Au Gres loamy sand; 0 to 3 percent slopes **NWI classification:**

Are climatic/hydrologic conditions on the site typical for this time of year? Yes ○ No ◉ **(If no, explain in Remarks.)**

Are Vegetation ☑ **, Soil** ☐ **, or Hydrology** ☐ **significantly disturbed?** **Are "Normal Circumstances" present?** Yes ○ No ◉

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **naturally problematic?** **(If needed, explain any answers in Remarks.)**

Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ○ No ◉	**Is the Sampled Area within a Wetland?**	Yes ○ No ◉
Hydric Soil Present?	Yes ○ No ◉		
Wetland Hydrology Present?	Yes ○ No ◉		

Remarks: (Explain alternative procedures here or in a separate report.)

Vegetation is considered significantly disturbed due to maintained golf course turf. Volunteer vegetation was present, soils were not hydric and no hydrology indicators were observed. This sample plot was taken to document upland conditions in an area mapped as having wetland indicator soils.

Hydrology

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15)
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of 2 required)

- ☐ Surface Soil Cracks (B6)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Stunted or Stressed Plants (D1)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ Microtopographic Relief (D4)
- ☐ FAC-neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ○ No ◉	Depth (inches):	
Water Table Present?	Yes ○ No ◉	Depth (inches):	
Saturation Present? (includes capillary fringe)	Yes ○ No ◉	Depth (inches):	**Wetland Hydrology Present?** Yes ○ No ◉

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

The APT summarized data from local weather stations and determined climatic conditions were wetter than normal for the time of the site visit. This sample plot does not meet wetland hydrology criteria.

VEGETATION - Use scientific names of plants.

Sampling Point: SP2

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status
1.	0	☐	
2.	0	☐	
3.	0	☐	
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
	0	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15' radius)			
1.	0	☐	
2.	0	☐	
3.	0	☐	
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
	0	= Total Cover	
Herb Stratum (Plot size: 5' radius)			
1. *Poa pratensis*	80	☑	FACU
2. *Viola canadensis*	30	☑	FACU
3. *Veronica officinalis*	25	☐	FACU
4.		☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
8.	0	☐	
9.	0	☐	
10.	0	☐	
11.	0	☐	
12.	0	☐	
	135	= Total Cover	
Woody Vine Stratum (Plot size: 30' radius)			
1.	0	☐	
2.	0	☐	
3.	0	☐	
4.	0	☐	
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)

Prevalence Index worksheet:

	Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0	
FACW species	0	x 2 =	0	
FAC species	0	x 3 =	0	
FACU species	135	x 4 =	540	
UPL species	0	x 5 =	0	
Column Totals:	135	(A)	540	(B)

Prevalence Index = B/A = 4.000

Hydrophytic Vegetation Indicators:

- ☐ **Rapid Test for Hydrophytic Vegetation**
- ☐ **Dominance Test is > 50%**
- ☐ **Prevalence Index is ≤3.0** [1]
- ☐ **Morphological Adaptations** [1] **(Provide supporting data in Remarks or on a separate sheet)**
- ☐ **Problematic Hydrophytic Vegetation** [1] **(Explain)**

[1] **Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.**

Definitions of Vegetation Strata:

Tree - Woody plants, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1m) tall..

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine - All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ○ No ◉

Remarks: (Include photo numbers here or on a separate sheet.)

Vegetation does not meet wetland criteria.

*Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil

Sampling Point: SP2

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)		%	Redox Features Color (moist)	%	Type [1]	Loc[2]	Texture	Remarks
0-13	10YR	3/2	100	-	-	-	-	Sandy Loam	
13-20	7.5YR	4/4	100	-	-	-	-	Loamy Sand	

[1] Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains [2] Location: PL=Pore Lining. M=Matrix

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Muck Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) (LRR R, MLRA 149B)
- ☐ Polyvalue Below Surface (S8) (LRR R, MLRA 149B)
- ☐ Thin Dark Surface (S9) (LRR R, MLRA 149B)
- ☐ Loamy Mucky Mineral (F1) LRR K, L)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils : [3]

- ☐ 2 cm Muck (A10) (LRR K, L, MLRA 149B)
- ☐ Coast Prairie Redox (A16) (LRR K, L, R)
- ☐ 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
- ☐ Dark Surface (S7) (LRR K, L, M)
- ☐ Polyvalue Below Surface (S8) (LRR K, L)
- ☐ Thin Dark Surface (S9) (LRR K, L)
- ☐ Iron-Manganese Masses (F12) (LRR K, L, R)
- ☐ Piedmont Floodplain Soils (F19) (MLRA 149B)
- ☐ Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
- ☐ Red Parent Material (F21)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3] Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ○ No ◉

Remarks:

Soils do not meet hydric soil criteria.

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Lake Forest Condominiums **City/County:** Town of Washington, Vilas Co. **Sampling Date:** 22-May-23

Applicant/Owner: Dalmark Development Group, LLC **State:** WI **Sampling Point:** SP3

Investigator(s): Ann Key, WDNR Prof. Assured **Section, Township, Range: S.** 24 **T.** T40N **R.** 10E

Landform (hillslope, terrace, etc.): Sideslope **Local relief (concave, convex, none):** linear **Slope:** 25.0 % / 14.0 °

Subregion (LRR or MLRA): LRR K **Lat.:** 45.9290060180 **Long.:** -89.1952905232 **Datum:** WGS84

Soil Map Unit Name: Padus sandy loam; 6 to 15 percent slopes **NWI classification:**

Are climatic/hydrologic conditions on the site typical for this time of year? Yes ○ No ◉ **(If no, explain in Remarks.)**

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **significantly disturbed?** **Are "Normal Circumstances" present?** Yes ◉ No ○

Are Vegetation ☐ **, Soil** ☐ **, or Hydrology** ☐ **naturally problematic?** **(If needed, explain any answers in Remarks.)**

Summary of Findings - Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ○ No ◉	**Is the Sampled Area within a Wetland?**	Yes ○ No ◉
Hydric Soil Present?	Yes ○ No ◉		
Wetland Hydrology Present?	Yes ○ No ◉		

Remarks: (Explain alternative procedures here or in a separate report.)

No recent disturbances were observed and the area was considered to have normal circumstances. This sample plot was taken to document upland conditions in an area mapped as a USDA wet spot.

Hydrology

Wetland Hydrology Indicators:

Primary Indicators (minimum of one required; check all that apply)

- ☐ Surface Water (A1)
- ☐ High Water Table (A2)
- ☐ Saturation (A3)
- ☐ Water Marks (B1)
- ☐ Sediment Deposits (B2)
- ☐ Drift deposits (B3)
- ☐ Algal Mat or Crust (B4)
- ☐ Iron Deposits (B5)
- ☐ Inundation Visible on Aerial Imagery (B7)
- ☐ Sparsely Vegetated Concave Surface (B8)
- ☐ Water-Stained Leaves (B9)
- ☐ Aquatic Fauna (B13)
- ☐ Marl Deposits (B15)
- ☐ Hydrogen Sulfide Odor (C1)
- ☐ Oxidized Rhizospheres along Living Roots (C3)
- ☐ Presence of Reduced Iron (C4)
- ☐ Recent Iron Reduction in Tilled Soils (C6)
- ☐ Thin Muck Surface (C7)
- ☐ Other (Explain in Remarks)

Secondary Indicators (minimum of 2 required)

- ☐ Surface Soil Cracks (B6)
- ☐ Drainage Patterns (B10)
- ☐ Moss Trim Lines (B16)
- ☐ Dry Season Water Table (C2)
- ☐ Crayfish Burrows (C8)
- ☐ Saturation Visible on Aerial Imagery (C9)
- ☐ Stunted or Stressed Plants (D1)
- ☐ Geomorphic Position (D2)
- ☐ Shallow Aquitard (D3)
- ☐ Microtopographic Relief (D4)
- ☐ FAC-neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ○ No ◉	Depth (inches):	
Water Table Present?	Yes ○ No ◉	Depth (inches):	
Saturation Present? (includes capillary fringe)	Yes ○ No ◉	Depth (inches):	**Wetland Hydrology Present?** Yes ○ No ◉

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

The APT summarized data from local weather stations and determined climatic conditions were wetter than normal for the time of the site visit. This sample plot does not meet wetland hydrology criteria.

VEGETATION - Use scientific names of plants.

Sampling Point: SP3

Tree Stratum (Plot size: 30' radius)	Absolute % Cover	Dominant Species?	Indicator Status
1. *Acer rubrum*	30	☑	FAC
2. *Betula papyrifera*	30	☑	FACU
3. *Pinus strobus*	25	☑	FACU
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
	85	= Total Cover	
Sapling/Shrub Stratum (Plot size: 15' radius)			
1. *Acer rubrum*	20	☑	FAC
2. *Pinus strobus*	5	☐	FACU
3. *Abies balsamea*	3	☐	FAC
4.	0	☐	
5.	0	☐	
6.	0	☐	
7.	0	☐	
	28	= Total Cover	
Herb Stratum (Plot size: 5' radius)			
1. *Lycopodium clavatum*	40	☑	FAC
2. *Pteridium aquilinum*	20	☑	FACU
3. *Dichanthelium xanthophysum*	15	☐	UPL
4. *Dendrolycopodium obscurum*	15	☐	FACU
5. *Vaccinium angustifolium*	5	☐	FACU
6. *Coptis trifolia*	5	☐	FACW
7.	0	☐	
8.	0	☐	
9.	0	☐	
10.	0	☐	
11.	0	☐	
12.	0	☐	
	100	= Total Cover	
Woody Vine Stratum (Plot size: 30' radius)			
1.	0	☐	
2.	0	☐	
3.	0	☐	
4.	0	☐	
	0	= Total Cover	

Dominance Test worksheet:

Number of Dominant Species That are OBL, FACW, or FAC: 3 (A)

Total Number of Dominant Species Across All Strata: 6 (B)

Percent of dominant Species That Are OBL, FACW, or FAC: 50.0% (A/B)

Prevalence Index worksheet:

	Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0	
FACW species	5	x 2 =	10	
FAC species	93	x 3 =	279	
FACU species	100	x 4 =	400	
UPL species	15	x 5 =	75	
Column Totals:	213	(A)	764	(B)

Prevalence Index = B/A = 3.587

Hydrophytic Vegetation Indicators:

- ☐ **Rapid Test for Hydrophytic Vegetation**
- ☐ **Dominance Test is > 50%**
- ☐ **Prevalence Index is ≤3.0** [1]
- ☐ **Morphological Adaptations** [1] **(Provide supporting data in Remarks or on a separate sheet)**
- ☐ **Problematic Hydrophytic Vegetation** [1] **(Explain)**

[1] **Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.**

Definitions of Vegetation Strata:

Tree - Woody plants, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1m) tall..

Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine - All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ○ No ◉

Remarks: (Include photo numbers here or on a separate sheet.)

Vegetation does not meet wetland criteria.

*Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS.

Soil

Sampling Point: SP3

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)		%	Redox Features Color (moist)		%	Type [1]	Loc[2]	Texture	Remarks
0-3	7.5YR	3/1	100	-	-	-	-	-	Sandy Loam	
3-4	7.5YR	5/2	100	-	-	-	-	-	Loamy Sand	E Horizon
4-20	7.5YR	4/4	100	-	-	-	-	-	Loamy Sand	

[1]Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains [2]Location: PL=Pore Lining. M=Matrix

Hydric Soil Indicators:

- ☐ Histosol (A1)
- ☐ Histic Epipedon (A2)
- ☐ Black Histic (A3)
- ☐ Hydrogen Sulfide (A4)
- ☐ Stratified Layers (A5)
- ☐ Depleted Below Dark Surface (A11)
- ☐ Thick Dark Surface (A12)
- ☐ Sandy Muck Mineral (S1)
- ☐ Sandy Gleyed Matrix (S4)
- ☐ Sandy Redox (S5)
- ☐ Stripped Matrix (S6)
- ☐ Dark Surface (S7) (LRR R, MLRA 149B)
- ☐ Polyvalue Below Surface (S8) (LRR R, MLRA 149B)
- ☐ Thin Dark Surface (S9) (LRR R, MLRA 149B)
- ☐ Loamy Mucky Mineral (F1) LRR K, L)
- ☐ Loamy Gleyed Matrix (F2)
- ☐ Depleted Matrix (F3)
- ☐ Redox Dark Surface (F6)
- ☐ Depleted Dark Surface (F7)
- ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils : [3]

- ☐ 2 cm Muck (A10) (LRR K, L, MLRA 149B)
- ☐ Coast Prairie Redox (A16) (LRR K, L, R)
- ☐ 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
- ☐ Dark Surface (S7) (LRR K, L, M)
- ☐ Polyvalue Below Surface (S8) (LRR K, L)
- ☐ Thin Dark Surface (S9) (LRR K, L)
- ☐ Iron-Manganese Masses (F12) (LRR K, L, R)
- ☐ Piedmont Floodplain Soils (F19) (MLRA 149B)
- ☐ Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
- ☐ Red Parent Material (F21)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

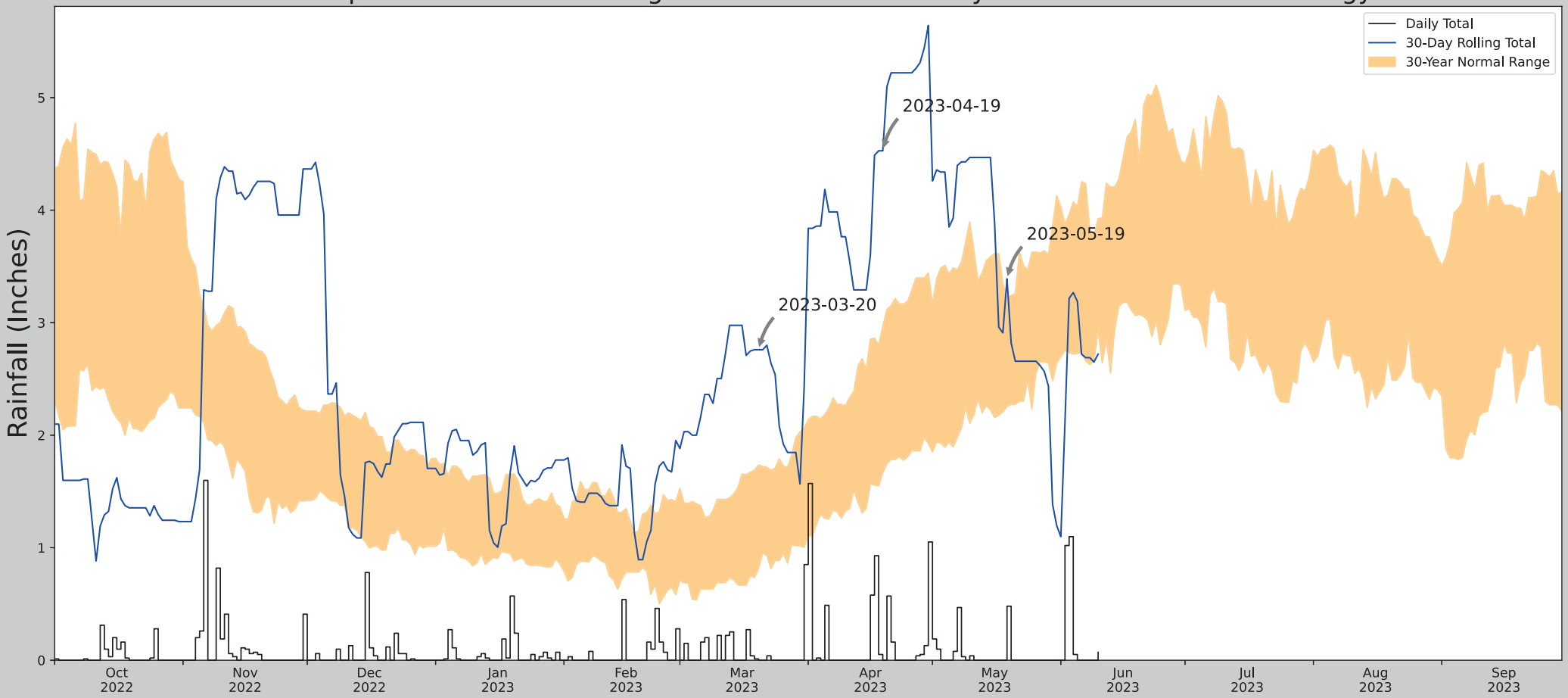
Hydric Soil Present? Yes ○ No ◉

Remarks:

Soils do not meet hydric soil criteria.

APPENDIX B – ANTECEDENT PRECIPITATION EVALUATION, WETS DATA and PALMER DROUGHT INDEX REPORTS

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	45.9303420476, -89.1878858317
Observation Date	2023-05-19
Elevation (ft)	1621.253
Drought Index (PDSI)	Mild wetness
WebWIMP H_2O Balance	Wet Season

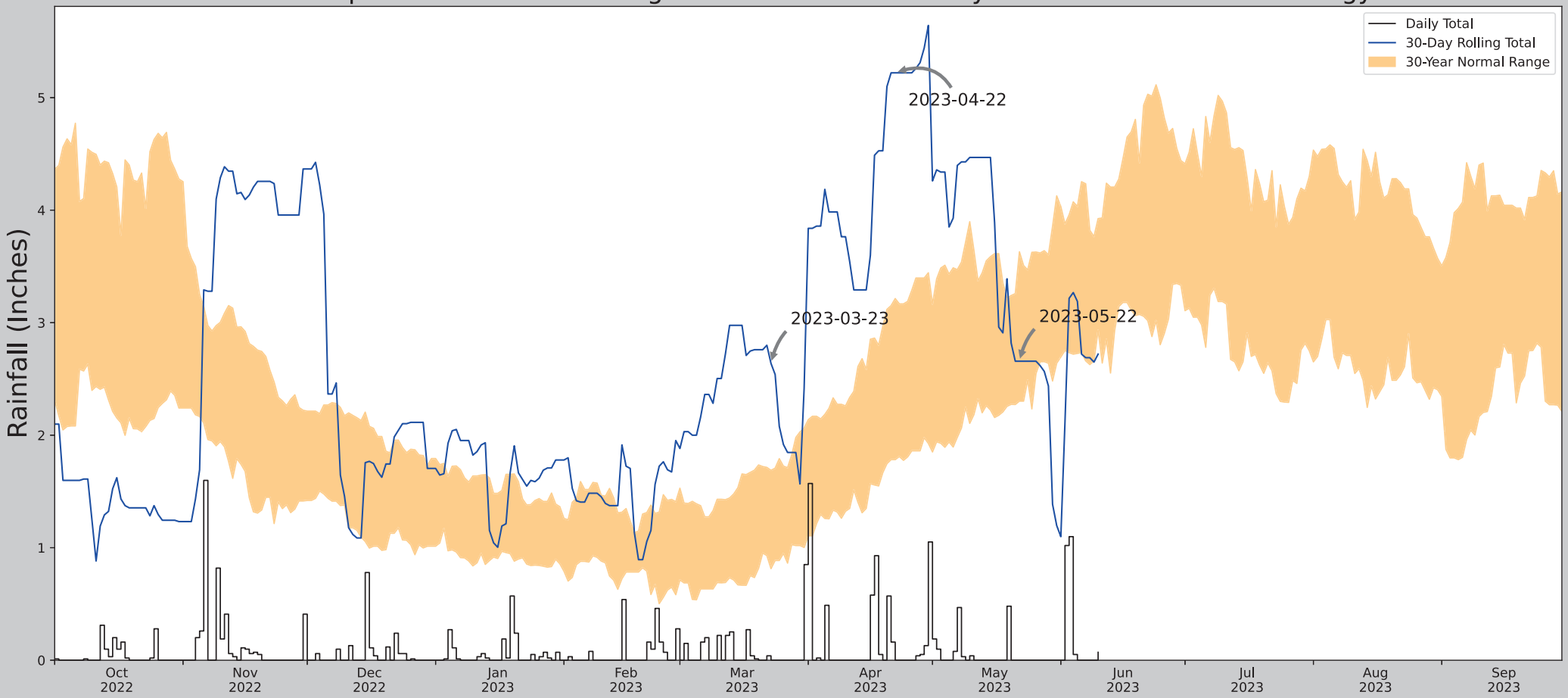
30 Days Ending	30^{th} %ile (in)	70^{th} %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2023-05-19	2.256299	3.218504	3.389764	Wet	3	3	9
2023-04-19	1.667323	2.966536	4.527559	Wet	3	2	6
2023-03-20	0.816929	1.735433	2.759843	Wet	3	1	3
Result							Wetter than Normal - 18

Figure and tables made by the
Antecedent Precipitation Tool
Version 1.0

Written by Jason Deters
U.S. Army Corps of Engineers

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
EAGLE RVR	45.9169, -89.2564	1623.032	3.421	1.779	1.546	11317	83
LONG LAKE DAM	45.8883, -89.1389	1629.921	5.985	6.889	2.734	4	0
BUCKATABON	46.03, -89.3086	1655.84	8.207	32.808	3.962	32	0
ST GERMAIN	45.9156, -89.4894	1643.045	11.2	20.013	5.264	0	7

Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



Coordinates	45.9303420476, -89.1878858317
Observation Date	2023-05-22
Elevation (ft)	1621.253
Drought Index (PDSI)	Mild wetness
WebWIMP H_2O Balance	Wet Season

30 Days Ending	30^{th} %ile (in)	70^{th} %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2023-05-22	2.302756	3.629921	2.65748	Normal	2	3	6
2023-04-22	1.782677	3.214173	5.220473	Wet	3	2	6
2023-03-23	0.814173	1.687795	2.637795	Wet	3	1	3
Result							Wetter than Normal - 15

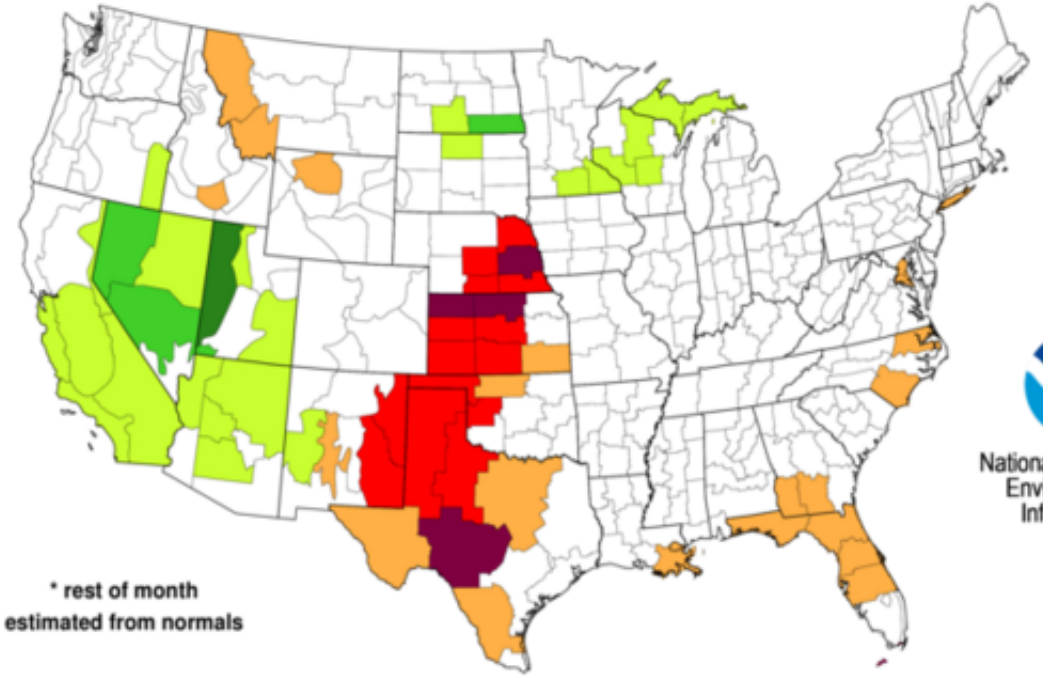
Figure and tables made by the
Antecedent Precipitation Tool
Version 1.0

Written by Jason Deters
U.S. Army Corps of Engineers

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
EAGLE RVR	45.9169, -89.2564	1623.032	3.421	1.779	1.546	11317	82
LONG LAKE DAM	45.8883, -89.1389	1629.921	5.985	6.889	2.734	4	0
BUCKATABON	46.03, -89.3086	1655.84	8.207	32.808	3.962	32	0
ST GERMAIN	45.9156, -89.4894	1643.045	11.2	20.013	5.264	0	8

Palmer Drought Index
Long–Term (Meteorological) Conditions

May 2023: through May 20 2023*



National Centers for Environmental Information

* rest of month estimated from normals

extreme drought	severe drought	moderate drought	mid–range	moderately moist	very moist	extremely moist
–4.00 and below	–3.00 to –3.99	–2.00 to –2.99	–1.99 to +1.99	+2.00 to +2.99	+3.00 to +3.99	+4.00 and above

APPENDIX C – SITE PHOTOS

LAKE FOREST CONDOMINIUMS
WETLAND DELINEATION SITE PHOTOS

WET 1-1

UP 1-1

LAKE FOREST CONDOMINIUMS
WETLAND DELINEATION SITE PHOTOS

WET 1-2

UP 1-2

LAKE FOREST CONDOMINIUMS
WETLAND DELINEATION SITE PHOTOS

WET 2-1

UP 2-1

LAKE FOREST CONDOMINIUMS
WETLAND DELINEATION SITE PHOTOS

WET 2-2

UP 2-2

LAKE FOREST CONDOMINIUMS
WETLAND DELINEATION SITE PHOTOS

WET 2-3

UP 2-3

LAKE FOREST CONDOMINIUMS
WETLAND DELINEATION SITE PHOTOS

WET 2-4

UP 2-4

LAKE FOREST CONDOMINIUMS
WETLAND DELINEATION SITE PHOTOS

WET 3-1

UP 3-1

LAKE FOREST CONDOMINIUMS
WETLAND DELINEATION SITE PHOTOS

WET 4-1

UP 4-1

LAKE FOREST CONDOMINIUMS
WETLAND DELINEATION SITE PHOTOS

WET 5-1

UP 5-1

LAKE FOREST CONDOMINIUMS
WETLAND DELINEATION SITE PHOTOS

WET 6-1

UP 6-1

LAKE FOREST CONDOMINIUMS
WETLAND DELINEATION SITE PHOTOS

WET 7-1

UP 7-1

LAKE FOREST CONDOMINIUMS
WETLAND DELINEATION SITE PHOTOS

WET 8-1

UP 8-1

LAKE FOREST CONDOMINIUMS
WETLAND DELINEATION SITE PHOTOS

WET 9-1

UP 9-1

LAKE FOREST CONDOMINIUMS
WETLAND DELINEATION SITE PHOTOS

WET 10-1

UP 10-1

LAKE FOREST CONDOMINIUMS
WETLAND DELINEATION SITE PHOTOS

SP1

SP2

LAKE FOREST CONDOMINIUMS
WETLAND DELINEATION SITE PHOTOS

SP3

ARTIFICIALLY CONSTRUCTED POND

APPENDIX D – ASSURED WETLAND DELINEATOR 2023 CONFIRMATION LETTER

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
1027 W St Paul Ave
Milwaukee WI, WI, 53233

Tony Evers, Governor
Adam N. Payne, Secretary
Telephone 608-266-2621
Toll Free 1-888-936-7463
TTY Access via relay - 711

April 3, 2023

Ann Key, PSS, PWS, CST
Wetlands and Waterways, LLC
5742 Warbonnet Lane
Hazelhurst, WI 54531

Subject: 2023 Assured Wetland Delineator Confirmation

Dear Ms. Key:

This letter provides Wisconsin Department of Natural Resources (WDNR) confirmation for the wetland delineations you conduct during the 2023 growing season. You and your clients will not need to wait for the WDNR to review your wetland delineations before moving forward with project planning. This will help expedite the review process for WDNR's wetland regulatory program. Your name and contact information will continue to be listed on our website at: http://dnr.wi.gov/topic/wetlands/assurance.html.

In the instance where a municipality may require a letter of confirmation for your work prior to moving forward in the local regulatory process, this letter shall serve as that confirmation. Although your wetland delineations do not require WDNR field review, inclusion of a Wetland Delineation Report is required for projects needing State authorized wetland, waterway and/or storm water permit approvals.

To comply with Chapter 23.321, State Statutes, please supply the department with a polygon shapefile of the wetland boundaries delineated within the project area. Please do not include data such as parcel boundaries, project limits, wetland graphic representation symbols, etc. If internal upland polygons are found within a wetland polygon, then please label as UPLAND. The shapefile should utilize a State Plane Projection and be overlain onto recent aerial photography. If a different projection system is used, please indicate in which system the data are projected. In the correspondence sent with the shapefile, please supply a brief description of each wetland's plant community (eg: wet meadow, floodplain forest, etc.). Please send these data to Calvin Lawrence (608-266-0756 or email at calvin.lawrence@wisconsin.gov).

If you or any client has a question regarding your status in the Wetland Delineation Professional Assurance Program, contact me by email at kara.brooks@wisconsin.gov or phone at 414-308-6780. Thank you for all your hard work and best wishes for the upcoming field season.

Sincerely,

Kara Brooks
Wetland Identification Coordinator
Bureau of Watershed Management